

Formosa Plastics Corporation, Texas 201 Formosa Drive • P.O. Box 700 Point Comfort, TX 77978

Telephone: 361-987-7000

April 30, 2019

Certified Mail: 7018 0360 0000 5327 9740 Air Section Manager, Region 14 Texas Commission Environmental Quality 6300 Ocean Drive, Suite 1200 Corpus Christi, Texas 78412

RE: Formosa Plastics Corporation, Texas

TCEQ Air Quality Account No. CB-0038-Q First Quarter 2019 SUMMA Canister Report

Dear Air Section Manager:

Per your request, we have enclosed a quarterly summary of results from the Point Comfort SUMMA Canister Monitoring System. The first quarter of 2019 results are shown for each site on the attached tables. Additionally, we have included wind roses generated by the weather sensor on the FTIR or wind direction data from other air monitoring devices for each SUMMA canister sampling date during the first quarter of 2019.

Beginning with the first sample date in the fourth quarter 2003, we have also included average wind speed and wind direction on the tables. This was done at the request of Mr. David Carmichael of the TCEQ Austin office. In addition, at the request of Mr. Carmichael, the following changes have been made to the tables:

The duplicate sample data for all compounds has been removed from the VOC Canister Analysis Tables;

The averaged duplicate sample data was replaced with only the routine sample data in the VOC Canister Analysis Tables; and

An additional VOC Canister Analysis Table was created for the duplicate samples data. This was done so that the relative percent difference (RPD) could be calculated. The calculation for obtaining the RPD is shown in the Duplicate Sample section of the attached Calculation Methodology.

During a telephone conversation with Mr. Vincent Leopold (TCEQ TARA Group) on April 9, 1998, he requested a disk copy of the SUMMA Canister sampling results be included with the quarterly report. Enclosed is an electronic copy of the first quarter 2019 SUMMA Canister Report.





Should you have any questions please contact Vanessa Peppers by e-mail at VanessaP@ftpc.fpcusa.com.

Sincerely,

Rick Crabtree

Vice President/General Manager Formosa Plastics Corporation, Texas

Attachments

cc: Dr. Tracie Phillips

Certified Mail: 7018 2290 0000 0529 6173

Toxicology Division

Texas Commission on Environmental Quality

P. O. Box 13087

Austin, Texas 78711-3087

FORMOSA PLASTICS CORPORATION, TEXAS

SUMMA CANISTER QUARTERLY REPORT

CALCULATION METHODOLOGY

Following is the calculation methodologies used to calculate the Year-To-Date Sum and Year-To-Date Average for the North SUMMA canister sampling site. Please note, there are two columns associated with each component analyzed. The column titled "Actual" represents the results reported by the independent laboratory contracted to analyze the SUMMA canisters. The column titled "½ Reported LOD (Limit of Detection)" represents either the actual result or one-half the limit of detection reported by the laboratory, as appropriate.

ACTUAL

The following is entered into the column titled "Actual":

Numerical Value - Actual results reported by the independent laboratory when the result is equal to or greater than the limit of detection. The numerical value is used to calculate the year-to-date sum and the year-to date average;

ND (Non Detect) - As reported by the laboratory. The value of "0" is used to calculate the year to date sum and the year-to-date average;

BDL (Below Detection Limit) - Entered when the actual result is less than the reported limit of detection. The value of "0" is used to calculate the year-to-date sum and the year-to-date average;

"*" - Non operational sampling period.

1/2 REPORTED LOD (LIMIT OF DETECTION)

The following is entered into the column titled "1/2 Reported LOD":

Numerical Value - Actual results reported by the independent laboratory when the result is equal to or greater than the limit of detection. The numerical value is used to calculate the year-to-date sum and the year-to-date average;

½ the Reported Limit of Detection - ½ the reported limit of detection when the results are reported as non-detect and when the actual result is below the detection limit (BDL). ½ the reported limit of detection is used to calculate the year-to-date sum and the year-to-date average.

"*" - Non operational sampling period.

FORMOSA PLASTICS CORPORATION, TEXAS

SUMMA CANISTER QUARTERLY REPORT

Limit of Detection (LOD) - Method Detection Limit, Limit of Detection, Reporting Limit, etc... as reported by the independent laboratory conducting the analysis.

DUPLICATE SAMPLES

The duplicate samples are reported discreetly on a separate VOC Canister Analysis Table. This is done so that the duplicate samples can be compared to the routine samples and the Relative Percent Difference (RPD) can be calculated. The RPD is calculated using the following equation:

$$\{(X1-X2)/[(X1+X2)/2]\} \times 100$$

Where the duplicate and routine sample indicated "ND", the RPD is reported as "ND". Where the duplicate or routine sample indicated "ND" and the other indicated a concentration greater than ND, the RPD is calculated by using the value entered in the actual concentration column and the value entered in the ½ Reported LOD column.

YEAR-TO-DATE SUM

The year-to-date sum is calculated by taking the sum of all values entered in the column.

YEAR-TO-DATE AVERAGE

The following formula is used to calculate the year-to-date average:

Year-To-Date Sum / (Number of theoretical sample periods - Number of non operational sample periods)

FORMOSA VOC CANISTER ANALYSIS 1st QUARTER 2019 POINT COMFORT - CITY HALL SITE

SAMPLE DATE	AVG.WIND	AVG.WIND	FTH	ETHVI FNE								
	DIRECTION	SPEED (mph)	Actual	1/2 Reported LOD	Actual	1,3 BUTADIENE		BENZENE	VINYL	VINYL CHLORIDE	ETHVI ENE	ETHVI ENE DICEIT OPERS
415/7010	(Degrees)		(qdd)		(qdd)	GOT paned TOD	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD	Actual	1/2 Reported I On
4/3/2018	8	5.6	ND	0.0500	GN	0.1360	(gdd)	(qdd)	(qdd)	(qdd)	(qaa)	GOT panieday = ::
4/11/2018	114	4.4	ND	0.0500	E	0.1250	0.1990	0.1990	QN	0.0500	0.1160	(044)
4/1//2018	144	6.7	ND	0.0500	E E	0.120	0.3390	0.3390	0.1510	0.1510	01730	0.1100
4/23/2018	243	1.2	QN	0.0500	2	0.1250	0.3190	0.3190	ND	0.0500	CN	0.1730
4/29/2018	106	5.5	QN	0.0500	2	0.120	0.2270	0.2270	2.5900	2.5900	0.8170	0.000
3/2/2018	320	3.5	ND	0.0500		0.1250	0.1580	0.1580	ND	0.0500	S	0.0500
5/11/2018	122	9.1	ND	0.0500	G N	0.1250	0.4130	0.4130	0.9900	0.9900	0.7730	0.0300
3/11/77018	159	0.9	ND	0.0500	E E	0.1230	0.1340	0.1340	QN	0.0500	2	0.2730
5/23/2018	96	5.2	*	*	*	0.1.20	0.1250	0.1250	ND	0.0500	S S	0.0500
5/29/2018	144	5.2	ND	0.0500	CZ.	*	*	*	*	*	*	0.0200
6/4/2018	169	4.4	QN	0.0500	5 5	0.1250	0.1680	0.1680	ND	0.0500	0.1630	*
6/10/2018	140	8.8	ND	0.0500	2 2	0.1250	0.1800	0.1800	0.1090	0.1090	0.1030	0.1630
6/16/2018	114	6.8	CN	0.0500	QN S	0.1250	0.1750	0.1750	QN	00500	0.1050	0.1030
6/22/2018	151	4.9	Ę	00000	ON:	0.1250	ND	0.0500	QN	0.0500	Q.	0.0500
6/28/2018	143	7.0	CZ.	0.0500	QN	0.1250	0.2280	0.2280	S	00500	GN	0.0500
7/4/2018	126	7.1	2	0.0200	Q	0.1250	0.2150	0.2150	2	0.0200	0.1380	0.1380
7/10/2018	121	46	2 2	0.0500	QN.	0.1250	0.1020	0.1020	0.8600	0.0500	Q	0.0500
7/16/2018	153	0.4	QN I	0.0500	ND	0.1250	0.3820	0.3820	0.0000	0.8600	6.1100	6.1100
7/22/2018	176	5.7	QN 4	0.0500	ND	0.1250	0.2210	0.2220	ON CA	0.0500	Q	0.0500
7/28/2018	133		QN 4	0.0500	ND	0.1250	0.1850	0.1850	S S	0.0500	0.1760	0.1760
8/3/2018	107	4.0	2 4	0.0500	QN	0.1250	QN	00500	di di	0.0500	0.1990	0.1990
8/9/2018	138	7.5	ON.	0.0500	ND	0.1250	0.3850	0.3850	ON O	0.0500	ND	0.0500
8/17/2018	135	3.0	2	0.0500	ND	0.1250	QN	0.0500	0.6580	0.6580	0.7690	0.7690
8/21/2018	351	0.0	Q	0.0500	ND	0.1250	0.2890	0.000	QN :	0.0500	QN	0.0500
8/29/2018	121	5.4	Q	0.0500	QN	0.1250	0.1220	0.2000	QN S	0.0500	ND	0.0500
8102/9/6	10	4.3	QN	0.0500	ND	0.1250	Ę.	0.1220	Q	0.0500	QV	0.0500
9/12/2018	16	8:	QN	0.0500	ND	0.1250	0.1930	0.000	QN	0.0500	0.1020	0.1020
9/18/2018	201	4.6	QN	0.0500	ND	0.1250	0.1530	0.1530	0.7720	0.7720	0.9860	0.9860
9/24/2018	115	1.3	*	*	*	*	*	W.1330	QN	0.0500	0.1100	0.1100
9/30/2018	59	2,2	Q :	0.0500	QN	0.1250	0.1490	0 1400	* 4	*	*	*
10/6/2018	126	7	QN	0.0500	ND	0.1250	0.5390	0.5300	UNI COSE C	0.0500	QN	0.0500
10/12/2018	88	1:,	* 12	*	*	*	*	*	***************************************	2.3200	1.2400	1.2400
10/18/2018	343	4.9	06400	0.0500	ND	0.1250	0.4490	0.4490	0.7060	0202.0	*	*
10/26/2018	249	1.5	0.6510	0.6510	Q.	0.1250	0.6530	0.6530	0.9220	0.7000	2.0900	2.0900
11/1/2018	324	6.2	*	***************************************	ON.	0.1250	0.3480	0.3480	0.3960	0 3060	Octro	0.0500
11/7/2018	157	4.8	QN	0.050.0	* **	*	*	*	*	*	W.123U	0.1230
11/13/2018	321	7.6	QN	0.0500	C/2.U	0.2750	0.1720	0.1720	ND	0.0500	S	*
11/17/2018	88	4.5	*	*	J ^N *	0.1250	0.1190	0.1190	QN	0.0500	S E	0.0500
11/25/2018	316	3.0	QN.	0.0500	. 5	* 0	*	*	*	*	*	0.0500
12/1/2018	240	2.7	QN	0.0500	2	0.1250	0.2070	0.2070	ND	0.0500	S	00000
12/7/2018	102	1.9	ND Q	0.0500	d d	0.1250	0.1750	0.1750	QN	0.0500	0.120	0.0500
12/13/2018	235	6.7	ND Q	0.0500	di di	0.1250	0.2320	0.2320	QN	0.0500	N	0.1220
12/19/2018	15	1.7	QN	0.0500	J. S	0.1250	0.1500	0.1500	QN	0.0500	2	0.0500
12/25/2018	106	5.9	QN	0.0500	3 5	0.1250	0.2280	0.2280	0.1510	0.1510	02110	0.0200
12/31/2018	334	4.2	S	0.0500	2 5	0.1250	0.1090	0.1090	ND	0.0500	Cig	0.500
					į;	V.1.23U	0.1970	0.1970	GN	00500	1	0.000

FORMOSA VOC CANISTER ANALYSIS 1st QUARTER 2019 POINT COMFORT - CITY HALL SITE

	The state of the s	ETHYLENE DICHLORIDE	Actual 1/2 Reported LOD	(qdd) (qdd)	OOSO O		ND 0.0500			+			* *	0 1000	** **	*	*	*
	VINVI. CHI ORINE		TOD) (qdd)	0.0500	0.0500								0.9570		*	*	*
	VINVI		Actual	(add)	QN	QN	QN	QN	0.4010	₽ Q	0.1930	0.2920	*	0.9570	*	*	*	*
	BENZENE	1/2 Reported I On	(qua)	(add)	0.1010	0.1640	0.2950	0.2110	0.3230	0.0500	0.2050	0.4200	*	0.3320	*	*	*	*
	BENZ	Actual	(qua)		0.1010	0.1640	0.2950	0.2110	0.3230	ND	0.2050	0.4200	*	0.3320	*	*	*	*
	1,3 BUTADIENE	1/2 Reported LOD	(qdd)	0 1050	0.1230	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	*	0.1250	*	*	*	*
	1,3 BUT	Actual	(qdd)	CIN	9	ON	QN !	QN	Q.	QN !	ON !	Q.	*	ON.	é 3	+ -	ж 1	
FTUVI DNE		1/2 Reported LOD	(qdd)	0.0500	00500	00000	0.0500	0.000	0.1080	0.0500	0.0500	0.0500	00000	***************************************	***	*	10	*
FTIIV	Antend	ACIUAL	(qdd)	N N	CN	CIN	GN CN	0901.0	ON CIN	2 5	2	*	0.9830	*	*	*	*	*
AVG.WIND	SPEED (mnh)	(mdm) grant to		5.8	4.4	5.2	5.1	7.8	5.9	2.2	5.3	1.2	3.2	4.2	9.4	6.7	3.2	6.4
AVG.WIND	DIRECTION	(Dogrado)	(531537)	118	307	144	06	42	125	140	336	197	357	113	140	57	142	337
SAMPLE DATE			0100001	102/011	1/12/2019	1/18/2019	1/24/2019	1/30/2019	2/5/2019	2/11/2019	2/17/2019	2/23/2019	3/1/2019	3/7/2019	3/13/2019	3/19/2019	3/25/2019	3/31/2019

	ETH	ETHYLENE	Labir	13 BITTA DIENE						
	4	1	Off Car	IADIENE	BEN	BENZENE	VINYL	VINYL CHLORIDE	CHIAT INITA	
	ACTUAL	1/2 Keported LOD	Actual	1/2 Reported LOD	Actual	1/2 Benefit JI On			EINTERNE	EINTEENE DICHLORIDE
	(qdd)	(qdd)	(qaa)	(huh)	(cab)	OOT paneday 7/1	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD
Year-To-Date Sum	2 3010	47410		(add)	(ndd)	(qdd)	(qdd)	(qdd)	(hon)	(dea)
	0120	4.0410	0.2750	6.2750	10.6900	10.9400	12 4680	14 1100	(add)	(ndd)
							1 +000	14.1180	15.7510	17.1510
Rolling Year Average	0.0488	0.0947	0.0056	1361						
			00000	0.1201	0.2182	0.2233	0.2544	0.2881	0.3214	003600
									11700	0.5500
Annual Average	0.1212	0.1601	0.0000	0100						
			00000	0.1230	0.2279	0.2334	0.2048	0.2326	0.1922	0.3211
Number of theoretical sample periods	09	Ş								0.5011
Number of non operational cample periods	00 :	00	09	09	09	09	9	07	ţ	
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 * - non operational, data from the North site was used for Wind Direction and Wind Speed, if available

Chemical			Investigation
	ST	LT	Limit (noh)
Vinyl Chloride	27,000	0.47	25
Ethylene Dichloride	94	0.72	7.62
Benzene	180	1.4	787
Ethylene 50	200,000	30	2005
, 3 Butadiene	1,700	6	25

FORMOSA VOC CANISTER ANALYSIS 1st QUARTER 2019 POINT COMFORT - CITY HALL DUPLICATE SAMPLE SCHEDULE

SAMPLE DATE	AVG.WIND	AVG.WIND	ЕТН	ETHYLENE	1,3 BUT	1,3 BUTADIENE	BEN	BENZENE	JIANIA	VINVI CHI OBINE	TALLACT INTERNAL	PULLE PAGE CONTRACTOR
	DIRECTION	SPEED (mph)	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD	Actual	1/2 Renorted I OD	Actual	1/2 Beneated I On
	(Degrees)		(qdd)	(qdd)	(qdd)	(qdd)	(qdd)	(qda)	(qua)	(huh)	(nup)	UZ Reported LUD
05/05/18	320	3.5	ND	0.0500	ND	0.1250	0.4130	0.4130	0.0000	0 0000	(phd)	(ppn)
05/05/18 _d	320	3.5	QN	0.0500	ND	0.1250	0.3700	0 3700	1 2000	1 2000	0.2730	0.2730
Relati	Relative Percent Difference (RPD)	e (RPD)	4	ND	4	ND		10.9834		19.1781		0.1300
06/16/18	114	6.8	QN	0.0500	ND	0.1250	ND	0.0500	QN	00500	S	0.050.0
06/16/18 _d	114	8.9	ND	0.0500	ND	0.1250	ND	0.0500	QN	0.0500	2 2	0.0500
Relati	Relative Percent Difference (RPD)	(RPD)	4	ND	4	ND		ND		ND		ON ON
07/16/18	153	5.9	QN	0.0500	ND	0.1250	0.2210	0.2210	QN	0.0500	09210	01760
07/16/18 _d	153	5.9	ND	0.0500	QN	0.1250	0.2380	0.2380	QN	0.0500	01730	0.1700
Relati	Relative Percent Difference (RPD)	(RPD)	_	ND		ND		-7.4074		CN CN		2 2000
											4:1	600
09/30/18	65	2.2	ND	0.0500	ND	0.1250	0.5390	0.5390	2 3200	2 3200	1 2400	1 2400
09/30/18 _d	65	2.2	ND	0.0500	ND	0.1250	0.5620	0.5620	2,3100	2 3100	1 1400	1.2400
Relati	Relative Percent Difference (RPD)	(RPD)	4	ND		ND		-4.1780		0.4320		8.4034
11/01/18	324	6.2	*	*	*	*	*	*	*	×	*	3
11/01/18 _d	324	6.2	*	*	*	*	*	*	*	*	*	£ ×
Relati	Relative Percent Difference (RPD)	(RPD)		*		*		*		*		
12/25/18	106	5.9	ND	0.0500	ND	0.1250	0.1090	0.1090	GN	00500	CN	0.050.0
12/25/18 _d	106	5.9	*	*	*	*	*	*	*	*	*	***************************************
Relati	Relative Percent Difference (RPD)	(RPD)		*		*		*		*		
01/30/19	42	7.8	0.1080	0.1080	ND	0.1250	0.3230	0.3230	0.4010	0.4010	1 5400	1 5400
01/30/19 _d	42	7.8	ND	0.0500	ND	0.1250	0.3650	0.3650	0.5020	0.5020	1.3400	1.3400
Relati	Relative Percent Difference (RPD)	(RPD)	73.4	73.4177	Z	ND		-12,2093		-22.3699	800911-	
											1.1.1.	500

* - non operational, data from the North site was used for Wind Direction and Wind Speed, if available

FORMOSA VOC CANISTER ANALYSIS 1st QUARTER 2019 POINT COMFORT - FORMOSA TRAINING COMPLEX

Cur Opine	1/2 Reported LOD	(qdd)	0.3560	0.5740	0.1270	0.3610	0.0500	0.0500	00500	0.0500	**	01170	0.1100	0.1100	0.5220	0.0200	0.3960	*	00500	0.1030	0.1330	0.0500	0.1470	0.1350	0.2690	0.0500	0.1020	1 2500	01140	*	0.0500	2.2600	*	3.9700	0.0500	*	*	0.3280	0.0500	0.6110	0.3840	0,000	00500	0.0500	0.4010	0.0500
PTHVI ENE DICUI OBIDE	Actual	(qdd)	0.3560	0.5740	0.1270	0.3610	Q.	2	2	E	*	011160	0.1160	0.3220	ND CN	0.1930	03960	*	Q	0.1030	0.1330	Đ.	0.1470	0.1350	0.2690	Ð	0.1020	1.2500	0.1140	*	QN	2.2600	*	3.9700	ΩN	*	*	0.3280	QN	0.6110	0.3840 MD	(A)	- 9	04010	0104:0	ND
LORIDE	1/2 Reported LOD	(qdd)	0.3370	0.4940	0.0500	1.3800	0.0500	0.0500	0.0500	0.0500	*	0.0500	0.0500	00500	00500	0.0500	0.0500	*	0.0500	0.0500	0.0500	0.0500	1.6000	0.0500	0.0500	0.0500	0.0500	0.7480	0.0500	*	0.0500	2.7400	*	1.3300	1.3900	*	* 0	0.0790	0.0500	0.7120	0.0500	*	0.0500	0.1320	0.0500	0.0500
VINYI, CHLORIDE	Actual	(qđd)	0.3370	0.4940	ND	1.3800	ND	QN.	QX	QX	*	E	2	2	2	9	Ð.	*	Ð	QN	ND	ON.	1.6000	Ð	ND	ND	QN	0.7480	Ð	*	ND	2.7400	*	1.3300	1.3900	* 1	00220	0.0790	00120	0.7120	2 2	*	E	0.1320	Q.	ND
ENE	1/2 Reported LOD	(qdd)	0.2700	0.3620	0.1600	0.3330	0.1080	0.1030	0.1170	0.1250	*	0.1380	0.0500	0.1450	0.0500	0.1790	0.1490	*	0.2370	0.2580	0.1080	0.1810	0.2720	0.0500	0.0500	0.1340	0.0500	0.3340	0.0500	*	0.1860	0.6890	*	0.4090	0.5310	* 3	0 5400	0.750	0.1320	0.2010	0.2100	*	0.1570	0.2440	0.1430	0.2340
BENZENE		(qdd)	0.2700	0.3620	0.1600	0.3330	0.1080	0.1030	0.1170	0.1250	*	0.1380	N ON	0.1450	£	0.1790	0.1490	*	0.2370	0.2580	0.1080	0.1810	0.2720	Ð	ND	0.1340	ND	0.3340	ND	*	0.1860	0.6890		0.4090	0.5310	* *	0.5490	0.1320	0.2610	0.4590	0.2100	*	0.1570	0.2440	0.1430	0.2340
DIENE	1/2 Reported LOD	(qdd)	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	*	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	*	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	*	0.1250	0.1250	*	0.1250	0.1230	*	0.1250	0 1250	0.1250	0.2720	0.1250	*	0.1250	0.1250	0.1250	0.1250
1,3 BUTADIENE	Actual	(qdd)	QN	Q	QN	Q	ND	ND	QN	ND	*	ND	ND	QN	ND	QN.	Ð	*	QN.	QV	Ø	QN.	2	9	2	2	ΩN	ND	QN	*	ΩN	Q.	*	2 4	ON *	*	S	CN	2	0.272	QN QN	*	Q.	QN	ND	ND
ETHYLENE	1/2 Reported LOD	(qdd)	0.0500	0.050.0	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	*	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	*	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	*	0.0500	0.0500	*	0.0500	**	*	0.0500	0.0500	0.0500	0.0500	0.0500	*	0.0500	0.0500	0.0500	0.0500
ЕТНУ	Actual	(qdd)	Q 4	ON CIN	ON S	ON:	QZ	ND	ND	Ð	*	ND	ND	QN	QN	QN	Ð	*	Ð	QN	Đ.	9	Q !	2 9	2	QN :	Q	ND	QN	*	ND	Q ·	* 4	UND	*	*	Q	Q	Q.	QN	ND	*	ND	Q.	QN.	ND
AVG.WIND	SPEED (mph)	, ,	3.6	4.4	7.7	7.1	5.5	3.5	9.1	0.9	5.2	5.2	4.4	8.8	6.8	4.9	7.0	7.1	4.6	5.9	2.7	4.0	4.1	5.6	6.0	5.4	4.3	1.8	4.6	1.3	4.5	2.2	7.1	49	1.5	6.2	6.2	4.5	0.4	3.2	2.7	1.9	6.7	1.7	5.9	4.2
AVG.WIND	DIRECTION	(Degrees)	92 =	144	243	C#7	106	320	122	159	96	144	169	140	114	151	143	126	121	153	1/6	133	130	136	155	155	121	91	09	187	115	65	071	343	249	324	24	88	46	145	240	102	235	15	106	334
SAMPLE DATE		9100/5/7	\$107/17/	4/17/2018	4/23/2018	470,0010	4/29/2018	8107/6/6	8/11/2018	5/17/2018	5/23/2018	5/29/2018	6/4/2018	6/10/2018	6/16/2018	6/22/2018	6/28/2018	7/4/2018	7/10/2018	7025018	102/2018	8107/87//	0102/2010	0107/6/0	8/11/2018	9/21/2019	8107/67/8	9/6/2018	9/12/2018	9/18/2018	9/24/2018	9/30/2018	10/12/2018	10/18/2018	10/26/2018	11/1/2018	11/11/2018	11/17/2018	11/23/2018	11/29/2018	12/1/2018	12/7/2018	12/13/2018	12/19/2018	12/25/2018	12/31/2018

FORMOSA VOC CANISTER ANALYSIS 1st QUARTER 2019 POINT COMFORT - FORMOSA TRAINING COMPLEX

SAMPLE DATE	AVG.WIND	AVG.WIND	ETHY	ETHYLENE	1 2 DI	2 DITTA DIENE						
	DIPECTION	CBEED (mark)			Ind Ct	ADIENE	BEN	BENZENE	VINYLC	VINYL CHLORIDE	FTHVI FNE	ETHVI ENE DICHI ODINE
	DIMECTION	Steen (mpn)	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD	Actual	1/2 Donouted I On		CHECKIDE
	(Degrees)		(qdd)	(qdd)	(qdd)	(qdd)	(qaa)	(hun)	(dua)	GOT national 7/1	Actual	1/2 Reported LOD
1/6/2019	118	5.8	ND	0.0500	Ē	03010	4.0	(2.1)	(add)	(add)	(qdd)	(qdd)
1/12/2019	307	44	CIN	0.050.0	i i	0.1230	ND	0.0500	ND	0.0500	QN	00500
91078171	144		ON!	00000	QN	0.1250	0.2620	0.2620	ND	0.0500	EN CONTRACTOR	00500
0.00000	+	2.7	ND	0.0500	ND	0.1250	0.3130	0.3130	CIN	00500	CALL	0.0200
1/24/2019	90	5.1	NO.	0.0500	QN	01250	0.1670	01720	CNI	0.000	0.1100	0.1100
1/30/2019	42	7.8	QN	0.0500	E E	0100	0.1070	0.16/0	ON	0.0500	ND	0.0500
2/5/2019	125	5.9	CN.	0.0500	7070	0.1230	0.2230	0.2230	0.5130	0.5130	0.6790	0.6790
2/11/2019	140	22	C. C.	00500	0.084	0.6840	0.1170	0.1170	ND	0.0500	N	0.0500
2/17/2019	336	5.3	5 5	0.0000	ON!	0.1250	0.1790	0.1790	ND	0.0500	ND	0.0500
2030019	107	1.2	QVI	0.000	ND	0.1250	0.2990	0.2990	0.1650	0.1650	EN CENT	0.0500
3/1/2019	357	7.1		*	*	*	*	*	*	*	*	*
21112017	337	3.2	QN	0.0500	N	0.1250	0.2570	07570	07770	0 4020	0.4 400	
3/7/2019	113	4.2	*	*	*	*	*	*	0.4270	0.42/0	0.1600	0.1600
3/13/2019	140	9.4	Q.	0.0500	GZ.	01050	01100		*	*	*	*
3/19/2019	57	67	*	*	,	0.1230	0.1380	0.1380	ND	0.0500	Q	0.0500
3/25/2019	142	3.2	*	*		×	*	*	*	*	*	*
3/31/2019	227					*	*	*	*	*	*	*
10211010	131	0.4	×	*	*	*	*	*	*	*	*	
											ŀ	*
			MIDO	diad milde								
				LEINE	1,3 BUT.	1,3 BUTADIENE	BENZ	BENZENE	VINYL CI	VINYL CHLORIDE	ETHVI ENE DICHI OPIDE	ICHI Opine
			Actual	I/2 Reported LOD	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD	Actual	1/2 Renorted I OD	Actual	TO DE LEGIS
			(qdd)	(qdd)	(qdd)	(qdd)	(qdd)	(qaa)	(hun)	(han)	Actual	OOT period 2/1
	Year-To-Date Sum		1.2200	3.5700	0.9560	6.7060	9.8720	10 2220	12 6470	14 2470	(udd)	(add)
										14.24/0	13./1/0	14.8170
1	Rolling Year Average		0.0254	0.0744	0.0199	0.1397	0.2057	0.2130	0.0635	0800	0	
	Annual Average		00000	0.0500	0.0004	00010		0.512.0	0.2033	0.2989	0.2858	0.3087
			20000	00000	0.0084	0.1809	0.1955	0.2005	0.1105	0.1455	0.0949	0.1299
Number of theoretical sample periods	ple periods		09	9	9	Ş	\$					
Number of non operational sample periods	I sample periods		12	3 2	8 :	00	00	09	09	09	09	09
			71	71	1.7	12	12	12	12	12	12	12
										!	!	7.

^{* -} non operational, data from the North site was used for Wind Direction and Wind Speed, if available

		(pdd) combannes combannes (bbg)	IIIVesugation
Chemical	ST	LT	Limit (ppb)
Vinyl Chloride	27,000	0.47	25
Ethylene Dichloride	94	0.72	29.7
Benzene	180	1.4	28.2
Ethylene	500,000	30	500
1, 3 Butadiene	1,700	6	25

FORMOSA VOC CANISTER ANALYSIS 1st QUARTER 2019 POINT COMFORT - FORMOSA TRAINING COMPLEX DUPLICATE SAMPLE SCHEDULE

	ETHYLENE DICHLORIDE	1/2 Reported LOD	(qdd)	0.1330	0.1400	0.1490	-11.3475		0.1350	0.1750	1	065		0.1140	0.1130		11		0.0500	0.0500			0.0500	0.0500			0.0500	0.0500	
The state of the s	EIHYLENEI	Actual	(qdd)	0.1330	0 1400		-11.3		0.1350	0.1750		-25.8065		0.1140	0.1130	1	0.8811		ND	ND	CN		ND	Q	GN		ND	ND	ON
VINVI CUI Opine	LONIDE	1/2 Reported LOD	(qdd)	0.0500	0.0500	ŀ			0.0500	0.0500				0.0500	0.050.0				1.3900	1.3400	30		0.0500	0.0500			0.0500	0.0500	0
O IANIA	TILLO	Actual	(qdd)	QN	GN		ON		QN	QN		UN		ND	ND	CIN		1 2000	1.3900	1.3400	3.6630	4	ON	ND	QN		ND	Q.	QN
BENZENE	200	1/2 Keported LOD	(qdd)	0.1080	0.1190	9,6916	016		0.0500	0.0500	S		00000	0.0500	0.0500	CN		0.5310	0.000	0.4390	1691	00500	0.000	0.3830	9018	0 1100	0.1170	0.0500	395
BEN		Actual	(add)	0.1080	0.1190	90	2.0		ND	ND	2		4	UND	ND	Z		0.5310	0.000	0.4390	18.969	CIN	O SOOO	0.3830	-153.8106	01110	0.1170	ND	80.2395
1,3 BUTADIENE	1/2 Domondo I OB	UCL behorted LOD	(ndd)	0.1250	0.1250	ON			0.1250	0.1250	QN		0301.0	0.1230	0.1250	ND		01250		0.1250	ND	0.1250	0.1250	0.1230	ND	0.6940	0.0040	0.1250	138.1953
11,3 BUT	Actual	(nob)	(ndd)	QN	ND				ND	ND			2	ON!	ND	Z		GN.	die	UND	Z	CN.	2		Z	0.6840	0.0040	ND	138.
ETHYLENE	1/2 Reported I OD	(uuh)	(add)	0.0500	0.0500	ND			0.0500	0.0500	NO ON		00500	00000	0.0500	ND		1.2200	00030	-	69.6133	0.0500	0.050.0	1	ND	0.0500	00000	OOCO:O	ND
ETH	Actual	(qaa)	C. A.	QN	ND				Q	QN	_		S		UN	4		1.2200	0.5000	1	.69.	QN	5		_	QN	1		2
AVG.WIND	SPEED (mph)		2.7	2.7	5.7	(RPD)			5.6	5.6	(RPD)		4.6	4.6	4.0	(RPD)		4.9	4.0	П	(KPD)	5.8	5.8	П	(KPD)	5.9	5.0		(KPD)
AVG.WIND	DIRECTION	(Degrees)	176	0/1	1/6	Relative Percent Difference (RPD)		001	138	138	Relative Percent Difference (RPD)		09	09	00	Relative Percent Difference (RPD)		343	343	20.00	Relative Percent Difference (RPD)	118	118	Dones to the	Relative Percent Difference (RPD)	125	175	- T	Kelative Percent Difference (KPD)
SAMPLE DATE			81/CC/E0	2000000	D8177710	Relative		01/00/00	06/09/18	08/06/18d	Relative		09/12/18	P81/C1/00	DOLLING	Relative		10/18/18	10/18/18	7 - 0	Kelativ	61/90/10	01/06/19	Doloting	MIRIAN	02/05/19	02/05/19.	Position	Kelative

d - Duplicate sample taken in addition to the routine sample (See Calculation Methodology for information on inclusion of duplicate sample results.)

^{* -} non operational, data from the North site was used for Wind Direction and Wind Speed, if available

FORMOSA VOC CANISTER ANALYSIS 1st QUARTER 2019 POINT COMFORT - PARK SITE

adiao in	HLUKIDE	1/2 Reported LOD	(add)	1100	0.0500	00000	0.1550	0.0500	0.0200	0.0200	0.0500	01010	0.1840	0.1030	0.1360	0.0200	0.0500	0.0500	0.0500	0.1010	0.0500	0.6500	0.6730	0.0500	0.0500	0.0500	0.1040	0.1590	*	0.3570	*	*	*	7.3000	0.1260	0.0500	0.6500	0.0500	0.0500	*	0.7780	0.0500	0.0500	0.0500	0.9900	0.0500
ETHY! ENE DICH!	LENED	(nuh)	1 2200	1 1100	GN	2	0.1550	S	2 2		ND *	0.1940	0.1640	0.1030	UN CIN	0.2250	QN	QN	QN	0.1010	ND	0.6500	0.6730	QN	QN	QN	0.1040	0.1590	*	0.3570	*	*	*	7.3000	0.1260	Q	0.6500	QN	Q	*	0.7780	ND	ND	ND	0.9900	QN
HORIDE	10 Dungard I On	(pob)	1 3200	14100	0.0500	0.3960	0.0500	0.0500	0.0500	0.0500	*	0.050.0	0.0200	0.0500	0.050.0	0.0500	0.0500	1.0300	0.0500	0.0500	0.0500	0.2380	1.1700	0.0500	0.0500	0.0500	0.0500	0.3670	*	0.0500	*	*	*	2.7200	2.0600	0.0500	0.2380	0.0500	0.0500	*	0.4050	0.0500	0.0500	0.0500	0.3010	0.0500
VINVI, CHI ORIDE	Actual	(ppb)	1.3200	1.4100	ND	0.3960	Q.	Q.	ΩN	S	*	S	0.1540	S	S	QN	QN	1.0300	ND	QN	ND	0.2380	1.1700	ND	ND	ND	ND	0.3670	*	ND	*	*	*	2.7200	2.0600	QN	0.2380	Q	QN	*	0.4050	QN	QN	ON O	0.3010	ON S
ENE	1/2 Renorted LOD	(qdd)	0.2170	0.5800	0.2230	0.5180	0.2900	0.0500	0.1190	0.1250	*	0.0500	0.1130	0.0500	0.0500	0.1380	0.0500	0.3940	0.1750	0.1600	0.1020	0.2490	0.3470	0.0500	0.1150	0.0500	0.1940	0.1080	*	0.5080	*	*	*	0.2730	0.8150	0.2160	0.0000	0.0500	0.1430	*	0.4350	0.1660	0.2060	0.1180	0.2070	0.1430
BENZENE	Actual	(qdd)	0.2170	0.5800	0.2230	0.5180	0.2900	QN	0.1190	0.1250	*	ND	0.1130	ND	ND	0.1380	ND	0.3940	0.1750	0.1600	0.1020	0.2490	0.3470	QN	0.1150	ND	0.1940	0.1080	*	0.5080	*	*	*	0.2730	0.8150	0.2160	1	ON	0.1430	* 0	0.4350	0.1660	0.2060	0.1180	0.2070	0.1430
1,3 BUTADIENE	1/2 Reported LOD	(qdd)	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.2500	*	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.2500	0.1250	0.1250	*	0.1250	*	*	*	0.1250	0.1250	0.1250	0.1250	0.1250	0.1230	* 0000	0.1250	0.120	0.1250	0.1250	0.1250	0.1250
1,3 BUT	Actual	(qdd)	ND	ND	ND	ND	ND	ND	ND	QN	*	ND	QN	ND	ND	ND	ND	ND	ND	ΩN	ΩN	QN	ND	ND	Q	Q	QN	ND	*	QV	*	*	* 2	2 2	2 2	2 2	5 5	5 5	*	. 5	3 5	JV.	ON CE	G S	GX	QN
ETHYLENE	1/2 Reported LOD	(qdd)	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	*	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	*	0.0500	*	*	00500	0.500	0.5010	0.0500	0.0500	0.0300	*	0.050.0	0.0200	0.0500	0.0500	0.0500	0.0500	0.0500
ЕТНУ	Actual	(qdd)	ND	ND	Q	Q	ND	Q	QN	ND	*	ND	ND	ND	ND	Q	ND	ND	QN	QN	QN	ON.	Q !	QN	QN	QN	QN	QN	*	QN	* ,	.	5	0895 0	0.5910	CN	S	CZ	*	S	2	G S	S	QN	QN	QN
AVG.WIND	SPEED (mph)		5.6	4.4	9.7	1.2	5.5	3.5	9.1	0.9	5.2	5.2	4.4	8.8	8.9	4.9	7.0	7.1	4.6	5.9	5.7	4.0	4.1	3.6	0.9	5.4	4.3	8.	4.6	1.3	4.5	7.7	17/	4.0	1.5	6.2	8.4	7.6	4.5	3.0	2.7	61	67	1.7	5.9	3.2
AVG.WIND	DIRECTION	(Degrees)	96	114	144	243	901	320	122	159	96	144	169	140	114	151	143	126	121	153	9/1	133	10/	138	35	8 3	121	16	09	/81	611	32	88	343	249	324	157	321	8	316	240	102	235	15	901	254
SAMPLE DATE			4/5/2018	4/11/2018	4/17/2018	4/23/2018	4/29/2018	8107/5/5	5/11/2018	5/17/2018	5/23/2018	5/29/2018	6/4/2018	6/10/2018	6/16/2018	6/22/2018	6/28/2018	1/4/2018	7110/2018	7,05,0010	7292018	9777010	0/0/2010	8/13/2010	8/11/2018	8/21/2018	8/29/2018	9/0/2018	9/12/2018	9/18/2018	9/30/2018	8100/9/11	10/12/2018	10/18/2018	10/26/2018	11/1/2018	11/7/2018	11/13/2018	11/17/2018	11/25/2018	12/1/2018	12/7/2018	12/13/2018	12/19/2018	12/25/2018	12/31/2018

FORMOSA VOC CANISTER ANALYSIS 1st QUARTER 2019 POINT COMFORT - PARK SITE

SAMPLE DATE	AVG.WIND	AVG.WIND	ETHY	ETHYLENE	1,3 BU	1,3 BUTADIENE	BEN	BENZENE	VINYL C	VINYL CHLORIDE	ETHVI.ENE	ETHYLENE DICHLORIDE
	DIRECTION	SPEED (mph)	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD
	(Degrees)		(qdd)	(qdd)	(ppb)	(qdd)	(qdd)	(qdd)	(qdd)	(qaa)	(qaa)	(quu)
1/6/2019	118	5.8	QN	0.0500	ND	0.0500	0.1870	0.1870	CN	0.050.0	J. N.	(add)
1/12/2019	307	4.4	QN	0.0500	QN	0.1250	0.92.0	0.3620	G N	00000	QN 4	0.0500
1/18/2019	144	5.2	ND	0.0500	CZ	01250	0.3480	0.2020	ON ON	0.0300	ON.	0.0500
1024019	06	5.1	GN	0.0500	9	00000	0.0100	0.3480	IND	0.0500	ND	0.0500
1,00,0010		1.0	2	00000	UND	0.1250	0.1410	0.1410	ND	0.0500	0.2460	0.2460
1/30/2019	4.7	7.8	QN	0.0500	ND	0.1250	0.3540	0.3540	0.5180	0.5180	0.9420	0.9420
2/5/2019	125	5.9	QN	0.0500	QN	0.1250	0.2940	0.2940	1.3600	1.3600	0.2840	07840
2/11/2019	140	2.2	ND	0.0500	QN	0.1250	0.2020	0.000	CN	00500	NID.	0.2040
2/17/2019	336	5.3	0.3030	0.3030	0.512	0.5120	N.	00000		0.000	UNI	0.0500
2020010	101			00000	210.0	0.3120	UNI	0.0500	ND	0.0500	ND	0.0500
4102/62/2	197	12		×	*	*	*	*	*	*	*	*
3/1/2019	357	3.2	ND	0.0500	ND	0.1250	0.2080	0.2080	0.3860	0.3860	0.2250	03000
3772019	113	4.2	*	*	*	*	*	*	*	*	4.3230	0.5250
3/13/2019	140	9.4	ND	0.0500	GN	01250	0.1750	05110	NIN.	00500		
3/19/2019	57	6.7	*	*	*	*	*	0071.0	QVI	0.000	ND	0.0500
3/25/2019	142	3.2	*	*	*	*	*	*	*		* 1	*
3/31/2019	337	6.4	*	*	*	*	*	*	*		. ,	K-
											*	

	r rang	Tive III								
	EIR	EIHYLENE	1,3 BC	1,3 BUTADIENE	BEN	BENZENE	VINYL C	VINYL CHLORIDE	ETHYLENE	ETHYLENE DICHLORIDE
	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD
	(qdd)	(qdd)	(qdd)	(qdd)	(qdd)	(qdd)	(qdd)	(qaa)	(qaa)	(quu)
Year-To-Date Sum	1.4620	3.7620	0.5120	6.6870	9.8030	10.2530	14.0730	157230	16.8780	18 2280
									00.00	10.2200
Rolling Year Average	0.0298	0.0768	0.0104	0.1365	0.2001	0.2092	0.2872	6025 0	0 3444	0.3720
Appropriate Average	0.0303	62500	01200	478.0					11100	0.575.0
Aminan Avelage	0.0203	0.0733	0.0512	0.1562	0.2171	0.2221	0.2264	0.2614	0.1797	0.2097
Number of theoretical sample periods Number of non operational sample periods	60	09	60	99 11	60	09	60	60	09	60

^{* -} non operational, data from the North site was used for Wind Direction and Wind Speed, if available

TCEQ Air Mon	TCEQ Air Monitoring Comparison Values (ppb)	Values (ppb)	Investigation
Chemical	TS	LI	Limit (ppb)
Vinyl Chloride	27,000	0.47	25
Ethylene Dichloride	94	0.72	29.7
Benzene	180	1.4	28.2
Ethylene	500,000	30	500
1, 3 Butadiene	1,700	6	25

FORMOSA VOC CANISTER ANALYSIS 1st QUARTER 2019 POINT COMFORT - PARK SITE DUPLICATE SAMPLE SCHEDULE

SAMPLE DATE	AVG.WIND	AVG.WIND	ЕТН	ETHYLENE	1,3 BU	3 BUTADIENE	BEN	BENZENE	VINYL	VINYL CHLORIDE	ETHVI ENE	ETHY! ENE DICH! OPIDE
	DIRECTION	SPEED (mph)	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD	Actual	1/2 Renorted LOD	Actual	1/2 Bonoated I On
	(Degrees)		(qdd)	(qdd)	(qdd)	(qdd)	(qdd)	(qdd)	(qaa)	(huh)	(nnb)	TOT nation 7/1
07/28/18	133	4.0	ND	0.0500	ND	0.1250	0.2490	0.2400	0.2380	0.2380	(add)	(add)
07/28/18,	133	4.0	CIN	0.0500	CN	0301.0	00300	00000	0.2300	0.2300	0.6500	0.6500
Polof	Domont Diff.	1		1		1	0.2500	0.2500	0.2350	0.2350	0.6380	0.6380
Velat	Neighbe refeelit Dillerefice (RFD)	e (KPD)		ON.		ND	-0-	-0.4008		1.2685	1	1.8634
08/29/18	121	4.3	QN	0.0500	ND	0.1250	0 1940	01040	CN.	00500	01010	
08/29/18 _d	121	4.3	QN.	0.0500	S	0.1750	NID.	0.170	ON SE	0.000	0.1040	0.1040
Doloti	Poloting Dorogat Difference (DDD)							0.0500	QN	0.0500	0.1080	0.1080
Neiar	ive reiteili Dillereilo	e (KFD)		ON.	-	NO NO	118	118.0328		ND	-3.	-3.7736
09/18/18	187	1.3	ND	0.0500	ND	0.1250	0.5080	0.5080	GN	0.050.0	0.3570	0.3570
09/18/18 _d	187	1.3	ND	0.0500	ND	0.1250	0.5940	0.5940	GN	00500	0.55.0	0,25,0
Relati	Relative Percent Difference (RPD)	e (RPD)		ND		S		15 6080			1	
							CI	0000		IND	23.	23.4742
10/14/18	123	7.0	ND	0.0500	GN	01250	0.2730	0.2730	0000	000000	0000	
10/14/18 _d	123	7.0	*	*	*	*	*	***************************************	***************************************	2.7200	7.3000	7.3000
Relati	Relative Percent Difference (RPD)	e (RPD)		*		*		100	:		*	*
										•		*
12/07/18	102	1.9	ND	0.0500	QN	0.1250	0 2060	0306.0	2	00300	4	
12/07/18 _d	102	1.9	*	*	*	*	*	***************************************	*	***************************************	ND *	0.0500
Relati	Relative Percent Difference (RPD)	e (RPD)		*		*		*		- 10		4
												•
02/11/19	140	2.2	QN	0.0500	ND	0.1250	0.2020	0.2020	UN	0.050.0	QN	00300
02/11/19 _d	140	2.2	QN	0.0500	ND	0.1250	0.2200	0.2200	0 1040	0.000	01200	0.0300
Relati	Relative Percent Difference (RPD)	e (RPD)		N ON	2	Q		-8 5308	П	0001 02		0.1250
							10	2000	1/-	0.1299	200-	-88.2682

d - Duplicate sample taken in addition to the routine sample (See Calculation Methodology for information on inclusion of duplicate sample results.)

^{* -} non operational, data from the North site was used for Wind Direction and Wind Speed, if available

SAMPLE DATE	AVG.WIND	AVG.WIND		ETHYLENE	1,3 BU1	1,3 BUTADIENE	9 I	BENZENE	AINYL C	VINYL CHLORIDE	ETHYLENE	ETHYLENE DICHLORIDE
	(Degrees)	SPEED (mph)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (pob)	1/2 Reported LOD	Actual (nnh)	1/2 Reported LOD	Actual	1/2 Reported LOD
4/1/2018	126	9.8	ND	0.0500	QX	0.1250	ND	0.0500	ON ON	(odd)	(ndd)	(add)
4/3/2018	140	7.3	QN	0.0500	QN	0.1250	01130	0.1130	S S	00500	2	0.000
4/5/2018	%	5.6	QN	0.0500	ND	0.1250	0.1540	0.1540	00501	0.0500	ON 1	0.0200
4/7/2018	331	4.7	ND	0.0500	ND	0.1250	0.2520	0.2520	0.1070	0701.0	CN CN	0.0500
4/9/2018	32	5.1	2.5800	2.5800	Q.	0.1250	ND	0.0500	4.9200	4 9200	2 4400	2 4400
4/11/2018	114	4.4	ND	0.0500	QN	0.1250	0.2320	0.2320	0.2140	0.2140	0.4920	0.4420
4/13/2018	142	10.2	ND	0.0500	ND	0.1250	QN	0.0500	QN	0.0500	Q.	0.0500
4/15/2018	305	3.0	ND	0.0500	ND	0.1250	0.3520	0.3520	0.1640	0.1640	2	0.0500
4/17/2018	144	7.6	ND	0.5000	ND	0.1250	0.1650	0.1650	QN ON	0.0500	Q.	0.0500
4/19/2018	48	3.3	QN	0.0500	ND	0.1250	09090	0909'0	0.4210	0.4210	0.1940	0.1940
4/21/2018	108	6.4	ND	0.0500	ND	0.1250	0.1840	0.1840	ND	0.0500	R	0.0500
4/23/2018	243	1.2	ND	0.0500	ND	0.1250	0.2550	0.2550	2.1000	2.1000	0.3550	0.3550
4/25/2018	124	3.5	ND	0.0500	ND	0.1250	0.3300	0.3300	0.1980	0.1980	0.1260	0.1260
4/27/2018	336	2.2	ND	0.0500	ND	0.1250	0.5380	0.5380	2.2300	2.2300	0.2050	0.2050
4/29/2018	106	5.5	*	*	*	*	*	*	*	*	*	*
5/1/2018	113	8.6	QN	0.0500	ND	0.1250	0.1050	0.1050	QN	0.0500	ND	0.0500
5/3/2018	125	6.6	ΩN	0.0500	QN	0.1250	0.1230	0.1230	ND	0.0500	QN	0.0500
5/5/2018	320	3.5	QN	0.0500	ND	0.1250	0.2280	0.2280	QN	0.0500	Q.	0.0500
5/7/2018	166	2.7	QN	0.0500	ND	0.1250	0.1160	0.1160	ND	0.0500	QN	0.0500
5/9/2018	126	6.5	QN	0.0500	ND	0.1250	QN	0.0500	ND	0.0500	ND	0.0500
5/11/2018	122	9.1	Q	0.0500	ND	0.1250	ND	0.0500	ND	0.0500	ND	0.0500
5/13/2018	115	7.9	*	*	*	*	*	*	*	*	*	*
5/15/2018	52	5.6	QN	0.0500	QN	0.1250	QN	0.0500	ND	0.0500	ND	0.0500
5/10/018	151	0.0	ON GIA	0.0500	QN !	0.1250	0.1320	0.1320	R	0.0500	ND	0.0500
5/15/2018	121	3.0	QN GN	0.0500	Q 4	0.1250	QN	0.0500	QN .	0.0500	QN	0.0500
5/23/2018	£ 3	5.5	*	***************************************	NO.	0.1250	0.1520	0.1520	0.3580	0.3580	0.8050	0.8050
\$1000505	149	3.0	CN	00500	. 2	0 1050	*	*	* !	*	*	*
5/77/2018	146	9.0	*	**	QN *	0.120	0.1160	0.1160	QN .	0.0500	ND	0.0500
8100/60/5	144	5.5	CN	0.0500	Ę	03010		*	* !	*	*	*
5/31/2018	128	8.8	Q	0.0500	9 5	0.1230	S	0.0500	Q g	0.0500	0.1290	0.1290
6/2/2018	148	6.7	ND	0.0500	QN	0.1250	0.1020	0.010	8 8	0.0500	0 1300	0.0500
6/4/2018	169	4.4	ND	0.0500	ND	0.1250	0.1170	0.1170	0.1750	0.1750	0.1230	0.1230
6/6/2018	137	6.7	ND	0.0500	ND	0.1250	ND	0.0500	ND	0.0500	QN	0.0500
6/8/2018	121	7.2	QN	0.0500	ΩN	0.1250	ND	0.0500	ND	0.0500	ND	0.0500
6/10/2018	140	8.8	QN	0.0500	QN.	0.1250	0.1930	0.1930	ND	0.0500	ND	0.0500
6/12/2018	126	8.8	QN	0.0500	ND	0.1250	0.1120	0.1120	ND	0.0500	ND	0.0500
6/14/2018	122	6.9	QN,	0.0500	QN	0.1250	0.1490	0.1490	Q	0.0500	ND	0.0500
6/18/2018	114	8.9	. 2	*	* 2	* 000	*	*	*	*	*	*
6/20/2018	105	5.3	G S	0.0500	2 2	0.1230	0.1120	0.1120	0.3050	0.6960	1.8400	1.8400
6/22/2018	151	4.9	Q.	0.0500	QN	0.1250	0.1560	0.1560	0.5360 ND	0.0500	0.6200	0.6200
6/24/2018	131	8.8	ND	0.0500	QN	0.1250	QN.	0.0500	2	0.0500	GN	0.0500
6/26/2018	123	7.5	ND	0.0500	ND	0.1250	ND	0.0500	QN	0.0500	QN	0.0500
6/28/2018	143	7.0	QN	0.0500	ND	0.1250	ND	0.0500	ND	0.0500	ND	0.0500
6/30/2018	137	8.3	ND	0.0500	ND	0.1250	ND	0.0500	ND	0.0500	QN	0.0500
7/2/2018	140	5.3	QN	0.0500	ND	0.1250	ND	0.0500	ND	0.050.0	ND	0.0500
7/4/2018	130	8 6	QN S	0.5000	QN :	1.2500	ΩN	0.5000	ON	0.5000	10.3000	10.3000
7/6/2019	200	7.0		0.0500	ON I	0.1250	0.3180	0.3180	0.1040	0.1040	0.3430	0.3430
01000017	101	2.8	Q 4	0.0200	QN S	0.1250	0.1930	0.1930	ND	0.0500	ND	0.0500
1110/2010	171	4.0	JN	OUCU:U	N	0.1250	0.3650	0.3650	ND	0.0500	ΩN	0.0500

ETHYLENE DICHLORIDE	1/2 Reported LOD	(qdd)	0.0500	0.0300	0.0500	0.1720	0.1090	0.0500	0.1000	0.1050	0.0500	0.3580	1.2800	0.0500	0.0500	0.1170	*	0.0300	0.0500	*	0.0500	*	0.0500	0.0500	0.1120	*	0.3080	1.9400	0.0070	3 5800	3.3800	5.1700	0.8670	0.1420	0.0500	0.0500	0.8060	1.9400	2.8200	2.1200	0.0500	0.0200	0.9980	17.7000	0.0500	0.0500	0.0500
ETHVLENE	Actual	(qdd)	ON CA	G. C	QN	0.1720	0.1090	ND	0.1000	0.1050	ND	0.3580	1.2800	ND	QN	0.1170	. 5	2 2	2	*	QN	*	ND	ND	0.1120	*	0.3080	1.9400	0.0070	3 5800	3.3800	5.1700	0.8670	0.1420	2 2	S	09080	1.9400	2.8200	2.1200	ON CIN	G S	0.9980	17.7000	ND	ND	ND
ILORIDE	1/2 Reported LOD	(gdd)	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	1.2300	0.7380	0.0500	0.0500	0.0200	00500	00500	0.0500	*	0.0500	*	0.0500	0.0500	0.0500	*	0.1700	0.6080	0.1070	1.5300	2.0500	2.1800	0.5470	0.0500	0.0500	0.0500	0.4270	1.6100	2.1300	1.2900	0.500	0.0500	09660	5.0600	0.0500	0.0500	1.0100
VINYL CHLORIDE	Actual	(add)	2 2	Q.	ND QN	ND	ND	ND	ND	ND	ND	1.2300	0.7380	QN	2 2	- N	S	S	QN	*	ND	*	ND	QN	ND	*	0.1700	0.6980	0.1070	1.5300	2.0500	2.1800	0.5470	QN S	2 2	2	0.4270	1.6100	2.1300	1.2900	2 2	Q.	0966.0	5.0600	ND	ND	1.0100
ENE	1/2 Reported LOD	0.0500	0.0500	0.1080	0.1850	0.4950	0.4890	0.1390	0.2550	0.1870	0.0500	0.3900	0.3420	0.0500	0.0500	*	0.0500	0.0500	0.0500	*	0.0500	*	0.0500	0.0500	0.0500	*	0.0200	0.1030	0.1760	0.1080	0.1600	0.1550	0.2860	0.1320	0.1510	0.1780	0.1510	0.0500	0.2190	0.0500	0.0500	0.0500	0.7510	0.4150	0.2210	0.2080	0.6560
BENZENE	Actual	GN	2	0.1080	0.1850	0.4950	0.4890	0.1390	0.2550	0.1870	ND	0.3900	0.3420	ON S	ON S	*	Q	QN	ND	*	ND	*	ND	ND	QN ,	. 4	OO 0	0.1680	0.1760	0.1080	0.1600	0.1550	0.2860	0.1320	0.1510	0.1780	0.1510	ND	0.2190	OOO 1	ON CANA	QN.	0.7510	0.4150	0.2210	0.2080	0.6560
DIENE	1/2 Reported LOD	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	*	0.1250	0.1250	0.1250	*	0.1250	*	0.1250	0.1250	0.1250	0361.0	0.1230	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	1 2500	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250
1,3 BUTADIENE	Actual (nnh)	ND	ND	ND	ND	QN	Q	QN	Q	ND	ND	QN	9 9	2 2	2 2	*	N	S	ND	*	QN	*	QN	Q !	QN *	S S	2 2	QN	QN.	QN	QN	QN	9 5	2 2	Q	ND	QN	ND	2	2 2	QN	ND	ND	ND	QN.	QN	9
ENE	1/2 Reported LOD	0.0500	0.0500	0.0500	0.5000	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	*	0.0500	0.0500	0.0500	*	0.0500	*	0.0500	0.0500	0.0500	0.050.0	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0300	0.0500	0.0500	0.0500	0.0500	0.0500	0.5000	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.5000
ETHY	Actual (ppb)	QN	ND	ND	ΩN	ND	QN	QN	9	2	Q !	9 4	S S	2 2	2	*	ND	ND	Q	*	QN	*	Q S	ON GI	Q *	G	QN	QN	ND	ND	ND	Q S	ON CN	2 2	QN	ND	ND	QN	ON CIN	Q.	QN	QN	ND	QN	QN	Q :	JN 4
AVG.WIND	SPEED (mph)	4.3	6.1	5.9	5.6	5.9	5.7	3.7	3.1	0.5	3.9	11.1	4.1	6,9	5.6	4.1	7.7	6.5	6.0	7.4	5.4	3.9	5.9	4.3	64	2.1	4.6	1.8	4.8	3.7	4.6	6.1	6.1	6.5	2.9	4.5	2.4	2.9	4.7	8.4	6.2	7.8	3.8	5.1	7.0	6.3	8.5
AVG.WIND	(Degrees)	146	138	153	164	163	9/1	145	143	133	130	671) lo	122	138	149	134	142	135	158	155	136	125	124	100	100	69	91	120	40	09	41	777	121	204	115	132	62	6 8	111	112	108	344	88	123	317	345
SAMPLE DATE		7/12/2018	7/14/2018	7/16/2018	7/18/2018	7/20/2018	7.5.4.5018	7/24/2018	7/26/2018	7/20/2018	01/20/2018	8/3/2018	8/5/2018	8/7/2018	8/9/2018	8/11/2018	8/13/2018	8/15/2018	8/17/2018	8/19/2018	8/21/2018	8/23/2018	8/02/27/9	8/20/2018	8/31/2018	9/2/2018	9/4/2018	9/6/2018	9/8/2018	9/10/2018	9/12/2018	9/14/2018	9/18/2018	9/20/2018	9/22/2018	9/24/2018	9/26/2018	9/28/2018	107/7018	10/4/2018	10/6/2018	10/8/2018	10/10/2018	10/12/2018	10/14/2018	10/16/2018	10/20/2018

ETHYLENE DICHLORIDE	1/2 Reported LOD	(qdd)	0.1290	0.050.0	0.0500	0.0500	0.0500	0.0500	0.7320	0.0500	0.3510	0.3180	0.0500	0.8120	*	*	1.0/00	00500	0.0200	0.3020	0.1400	0.6660	5.1400	0.2680	*	0.3330	**	0.2160	3.3900	0.2230	0.0500	0.8980	1.5000	0.0500	0.2550	0.0500	0.0500	0.1360	2.9000	0.13/0	1 2000	0.0500	0.1400	*	*	4.4100	0.2600
ETHYLENE	Actual	(qdd)	0.1290	- 5	QN	ND	ND	ND	0.7320	ND	0.3510	0.3180	ND	0.8120	* >	* 10200	***************************************	S	S. S.	0.3070	0.1400	09990	5.1400	0.2680	*	0.5330	*	0.2160	3.3900	0.2230	ND	0.8980	1.5000	Q. Q.	0.2550	ND	ND	0.1360	2.9000	0.13/0 ND	1.2000	ND	0.1400	*	*	4.4100	0.2600
ILORIDE	1/2 Reported LOD	(bpb)	**	0.6970	0.0500	0.0500	1.0300	0.0500	0.4450	0.0500	1.3200	0.8340	0.1040	0.7050	* *	1 3400	**	00500	0.0500	0.0500	0.0500	0.6290	1.8800	0.1260	* 0010	0.1030	*	0.0500	0.5950	0.0500	0.4220	0.1530	0.3100	0.0500	0.5250	0.0500	0.0500	0.0500	1.1300	0.2240	0.2050	0.0500	0.0500	*	*	1.1400	0.0500
VINYL CHLORIDE	Actual	(ppp)	***************************************	0.6970	ND	ND	1.0300	ND	0.4450	ND	1.3200	0.8340	0.1040	0.7050	+ *	1 3400	00tc:1	QN	QN	ND	ND	0.6290	1.8800	0.1260	***	OCO1.0	*	ND	0.5950	ND	0.4220	0.1530	0.3100	ND	0.5250	ND	ND	ND	1.1300	0.5830	0.2050	ND	ND	*	*	1.1400	ND
ENE	1/2 Reported LOD	(ppb)	***************************************	0.2520	0.2960	0.0500	0.2610	0.1010	0.1660	0.1450	0.7920	0.4330	0.2450	0.3090	*	0.4500	*	0.2050	0.2100	0.1770	0.1930	0.8490	0.3790	0.3240	0.2460	0.1550	*	0.5460	0.2210	0.2790	0.7380	0.2070	0.2920	0.3200	0.4050	0.1340	0.1340	0.1680	0.4450	0.3140	0.1990	0.2540	0.1960	*	*	0.2390	0.2250
BENZENE	Actual (npb)	0.3050	*	0.2520	0.2960	ND	0.2610	0.1010	0.1660	0.1450	0.7920	0.4330	0.2450	0.3090	*	0.4500	*	0.2050	0.2100	0.1770	0.1930	0.8490	0.3790	0.3240	0.2460	0.1550	*	0.5460	0.2210	0.2790	0.7380	0.2070	0.2920	0.3200	0.4050	0.1340	0.1340	0.1680	0.3010	0.3140	0.1990	0.2540	0.1960	*	*	0.2390	0.2250
DIENE	1/2 Reported LOD	0.1250	*	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.2930	0.1250	0.1250	w.1230	*	0.1250	*	0.1250	0.1250	0.2780	0.1250	0.2780	0.1250	w.1250	0.1250	0.1250	*	0.1250	0.1250	0.1250	0.2910	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	*	*	0.1250	0.1250
3 BUTA	Actual (nnh)	GN ON	*	ND	ND	QN	QN	Q.	ND	QN	0.2930	Q.	S S	- ×	*	ND	*	ND	ND	0.2780	ND	0.2780	Q S	al *	QN	QN QN	*	ND	ND	QN .	0.2910	2 2	2	ND	ND	Q.	Q.	ON A	Q S	QN.	ND	ND	ND	*	* 5	JN 4	ON.
ENE	1/2 Reported LOD (ppb)	0.0500	*	0.0500	0.0500	0.0500	0.0500	0.3310	0.3430	0.3760	0.0500	0.0500	0.0500	**	*	0.0500	*	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	*	0.0500	0.0500	*	0.0500	0.0500	0.0500	0.0500	0.0300	0.0500	0.7080	0.5000	0.0500	0.0500	0.0500	0.0500	0.0500	0.5000	0.0500	0.0500	× >	**	0.0000	0.0300
ETHYLENE	Actual (ppb)	QN	*	ND	ND	2 5	ND	0.3310	0.3430	0.3760	Q .	ON CIN	QV E	*	*	ND	*	ND	ND	ND	QN	QN S	QN Q	*	ND	ND	*	ND	ND	QN	ON E	2 2	ND	0.7080	Q.	2	ON EX		Q.	ND	ND	ND	QN	K 3	* E	J. E	00000
AVG.WIND	SPEED (mph)	4.8	3.9	1.5	2.8	9.9	0.2	0.7	6.4	8.6	10.2	2.0	0.7	4.5	7.0	4.8	0.4	3.0	1.9	3.2	2.7	5.0	0.0	6.4	3.0	6.7	5.4	1.7	1.7	3.0	5.9	1.7	8.6	3.2	8.9	2.0	5.8	1.4	4.4	4.9	5.8	5.2	2.6	8.5	5.3	4.7	7.8
AVG.WIND	(Degrees)	351	5	249	179	137	125	150	157	340	348	321	112	88	344	22	46	316	85	145	240	348	07	323	101	235	284	129	15	240	106	128	346	254	350	229	153	89	307	342	85	144	325	15/	3 6	169	42
SAMPLE DATE		10/22/2018	10/24/2018	10/26/2018	10/28/2018	10/30/2018	11/2/2010	11/5/2018	11/3/2018	11/9/2018	9102/11/11	11/13/2018	11/15/2018	11/17/2018	11/19/2018	11/21/2018	11/23/2018	11/25/2018	11/27/2018	11/29/2018	12/1/2018	12/5/2010	8102/2/21	12/9/2018	12/11/2018	12/13/2018	12/15/2018	12/17/2018	12/19/2018	12/21/2018	12/25/2018	12/27/2018	12/29/2018	12/31/2018	1/2/2019	1/4/2019	0102011	6102/01/1	1/12/2019	1/14/2019	1/16/2019	1/18/2019	1/20/2019	1747019	1/26/2019	1/28/2019	1/30/2019

SAMPLE DATE	AVG.WIND	AVG.WIND		ETHYLENE	1,3 BU	1,3 BUTADIENE	BEN	BENZENE	VINYL C	VINYL CHLORIDE	ETHYLENE	ETHYLENE DICHLORIDE
	DIRECTION (Degrees)	SPEED (mph)	Actual (pob)	1/2 Reported LOD	Actual (nph)	1/2 Reported LOD	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD
9/1/2019	28	3.5	*	(c.d.d.)	(add)	(odd)	(ndd)	(add)	(add)	(qdd)	(qdd)	(qdd)
0100000	101	200	die	0.000		*	K	*	*	*	*	*
010030	121	5.5	UNI	0.020.0	1.1800	1.1800	0.2700	0.2700	ND	0.0500	S	0.0500
6107/07	123	5.9	QN	0.0500	ND	0.1250	ND	0.0500	Ð	0.0500	QN	0.0500
2/1/2019	13	3.9	QN	0.0500	ND	0.1250	0.4920	0.4920	0.1640	0.1640	CN	0.0500
2/9/2019	353	8.9	0.2530	0.2530	ND	0.1250	QX	0.0500	GN	0.050.0	2	00500
2/11/2019	140	2.2	QN	0.0500	3.5000	3.5000	0.900	0.2450	2	00500	01540	0.0200
2/13/2019	06	4.6	*	*	*	*	*	*	ð. *	4.0000	0.1340	0.1540
2/15/2019	180	6.3	*	*	*	*	-34	,			+	М
2/17/2019	336	5.3	*	*	*	*	: н	. ,	H 1	*	*	*
2/19/2019	354	0.9	*	*	*	-	. ,	,		*	*	*
0100100	355	4.7	2	00500			*	×	*	*	*	*
202012019	333	4.7	UN	0.0500	QN	0.1250	0.4010	0.4010	0.3090	0.3090	0.1800	0.1800
2/23/2019	197	1.2	QN	0.0500	Ð.	0.1250	0.3310	0.3310	0.8750	0.8750	0.2080	0.2080
2/25/2019	49	7.8	3.1100	3.1100	ND	0.1250	8	0.0500	0.6300	0.6300	3.4600	3.4600
2/27/2019	130	3.3	QN	0.0500	ND	0.1250	QN	0.0500	Ð	0.0500	QN	0.0500
3/1/2019	357	3.2	Q.	0.0500	ND	0.1250	0.4400	0.4400	0 9490	0 9490	09880	00000
3/3/2019	342	8.2	*	*	*	*	*	*	*	*	*	W.00000
3/5/2019	340	7.2	QN	0.0500	S.	0.1250	0.3260	0.3260	0.3800	0 3800	4	00500
3/7/2019	113	4.2	QN	0.0500	N S	0.1250	0.1820	0.1820	CN.	0.0500	2 5	0.0500
3/9/2019	131	6.4	ND	0.0500	QN	0.1250	N ON	0.0500	Q	0.0500	2 2	0.0200
3/11/2019	83	9.9	ND	0.0500	ND	0.1250	QN.	0.0500	Q.	0.0500	2	0.0500
3/13/2019	140	9.4	2.4200	2.4200	ND	0.0500	0.1120	0.1120	0.1020	0.010	0.1870	0.0000
3/15/2019	340	8.0	ND	0.0500	QN ON	0.1250	0.2820	0.2820	0.3870	0.3870	CN	0.1870
3/17/2019	65	1.5	ND	0.0500	ND	0.0500	0.2220	0.2220	0.1030	0.1030	0.2130	0.0330
3/19/2019	57	6.7	6.8400	6.8400	ND	0.0500	0.2600	0.2600	0.7420	0.7420	2.0000	2,000
3/21/2019	100	2.8	16.7000	16.7000	ND	0.0500	0.4200	0.4200	0.6240	0.6240	1.3500	1.3500
3/23/2019	109	8.1	*	*	*	*	*	*	*	*	*	*
3/25/2019	142	3.2	*	*	*	*	*	*	*	*	*	*
3/27/2019	8	5.4	*	*	*	*	*	*	*	*	*	*
3/29/2019	119	8.3	*	*	*	*	*	*	*	*	*	*
3/31/2019	337	6.4	*	*	*	*	*	*	*	*	*	*
		<u>L</u>										
			ЕТН	ETHYLENE	1,3 BUT	1,3 BUTADIENE	BEN	BENZENE	VINYL C	VINYL CHLORIDE	ETHYLENE	ETHYLENE DICHLORIDE
			Actual	1/2 Reported LOD	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD
			(qdd)	(qdd)	(qdd)	(qdd)	(qdd)	(qdd)	(ddd)	(qdd)	(qdd)	(qdd)
	Year-To-Date Sum		36.3910	46.7410	5.8200	26.3950	30.7560	33.3590	63.2180	68.4680	101.6390	105.6890
	Rolling Year Average		0.2348	0.3016	0.0375	0.1703	0.1984	0.2152	0.4079	0.4417	0.6557	0.6819
	Annual Average		1.0017	1.0704	0.1463	0.2541	0 2201	9000	0 3002	0.3221	0.550	10000
	H	H			201 410	V-1-1-1	V.±±01	0.2220	0.3002	0.3221	0.6502	0.6721

^{* -} non operational, data from the North site was used for Wind Direction and Wind Speed, if available

Investigation	Limit (ppb)	25	29.7	28.2	200	25	
omparison Values (ppb)	LT	0.47	0.72	1.4	30	6	
ontoring Comparisor	ST	27,000	94	180	500,000	1,700	
I CEQ AIF Montoring	Chemical	Vinyl Chloride	Ethylene Dichloride	Benzene	Ethylene	1, 3 Butadiene	

Number of theoretical sample periods Number of non operational sample periods

FORMOSA VOC CANISTER ANALYSIS 1st QUARTER 2019 POINT COMFORT - PC SITE DUPLICATE SAMPLE SCHEDULE

SAMPLE DATE	AVG.WIND	AVG.WIND	EF	ETHYL ENF	13 Br	2 DETTA DIENTE	SCHEDOLE					
	DIRECTION	SPEED (mph)	Actual	1/2 Reported LOD	Actual	1/2 Benefit On	1	BENZENE	VINYL	VINYL CHLORIDE	ETHYLENE	ETHYLENE DICHLORIDE
	(Degrees)		(qdd)	(dqq)	(ppb)	1/2 Keported LOD (ppb)	Actual (pob)	1/2 Reported LOD	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD
04/03/18	140	6	4						(ada)	l (odd)	(add)	(qdd)
04/03/18	140	73	2 2	0.0500	QN	0.1250	0.1130	0.1130	ND	0.0500	ND	0.0500
Relative	Relative Percent Difference (RPD)	1		ND ON		0.1250 ND	- 1	- 1	Q.	0.0500	ND	0.0500
		ΙI				GN.	į.	-37.4101		ND		ND
04/09/18	32	5.1	2.5800	2.5800	QN	0.1250	QN	00500	4 9200	4 0000	0077	
04/09/18 _d	32	- 1	*	*	*	*	*	*	*	***************************************	2.4400	2.4400
Relative	Relative Percent Difference (RPD)	RPD)									•	*
04/17/18	144	6.6	QN.	00050	Ę	0.100						
04/17/18 _d	144	9.7	QN	0.5000	QN QN	0.1250	0.1650	0.1650	Q	0.0500	ND	0.0500
Relative	Relative Percent Difference (RPD)	RPD)		ND		ND	Ю	33 2155	ON CAN	1		-
							5	1000		ND ON		ND
04/21/18	108	6.4	QN .	0.0500	ND	0.1250	0.1840	0.1840	ND	0.0500	2	00500
Reletive	Relative Percent Difference (BBD)	- 1	ON	1		1		0.1880	QN	0.0500	2	0.0500
Welding	reitent Dinerence ((ALD)		QN		ND	-2	-2.1505		ND		QN
04/27/18	336	2.2	S	00500	di ^x	0.00						ĺ
04/27/18 _d	336	2.2	QN	0.0500	Q Q	0.1250	0.5380	0.5380	2.2300	2.2300	0.2050	0.2050
Relative	Relative Percent Difference (RPD)	1 11		ND		ND		-6.4748		23 3663		- 1
										2000	2.	2.9703
05/03/18	125	9.6	ND	0.0500	ND	0.1250	0.1230	0.1230	S	0.0500	GZ.	00000
137/18 ^d	271	- 1	*	*	*	*	*	*	*	*	*	0.0500
Kelative	Kelative Percent Difference (RPD)	RPD)										ŧ
05/11/18	122	9.1	QN	00500	4	0.00						
05/11/18 _d	122	9.1	QN	0.0500	S	0.1250	Q g	0.0500	Q	0.0500	QN	0.0500
Relative	Relative Percent Difference (RPD)	RPD)		ND ON		ON CIN		00000	1	1	İ	
				Н						QN		ND ND
81/51/50	125	5.6	ND	0.0500	QN	0.1250	ND	0.0500	QN	00500	2	00500
Dolottus Dolottus	Poloting Branch Price	5.6							QN.	0.0500	Q Q	0.0500
- Colonia	T CI CELLE DILICI CILICE (I	(LD)		ON		ND	-95	-95.2880		QN		ND ND
05/31/18	128	88	CIN	00900								
05/31/18 _d	128	8.8	QN QN	0.0500	Q Z	0.1250	QN	0.0500	ND	0.0500	QN	0.0500
Relative	Relative Percent Difference (RPD)	1 1		ND		ND OLESO		OUSO.O GN		0.0500		0.0500
01100120												ON.
06/08/18	121	7.2	S	0.0500	Q	0.1250	ND	0.0500	ND	0.0500	ND	0.0500
Relative	Relative Percent Difference (RPD)			O'CO'CO	1	0.1250	- 1	- 1	ND	0.0500	ND	2.0000
							-93.	-93.0481		ND	2	ND
06/14/18	122	6.9	ND	0.0500	ND	0.1250	0.1490	0.1490	S	00500	ď	00500
Relative I	Relative Percent Difference (DDD)	6.9	QN				0.1860	0.1860	ND	0.0500	QN ON	0.0500
a contract of the contract of	i el cent Diniei ence (n	(0.5)		ON ON		ND	-22.	-22.0896	I	ND		ND
06/20/18	105	5.3	ND	0.0500	ND	0.1250	0.1230	0.1230	03000	0,000.0		
06/20/18 _d	105	5.3	*	*	*	*	*	0.1.20 *	0.3960	0.3960	0.6200	0.6200
Relative	Relative Percent Difference (RPD)	(PD)									•	*
06/26/18	123	7.5	QN	0.0500	Ş	03010	i i					
06/26/18 _d	123	7.5	ND	0.1000	QN	0.2500	2 2	0.0300	Q E	0.0500	ND	0.0500
Relative 1	Relative Percent Difference (RPD)	(DD)	-	ND		ND		ND		U.1000	QN S	1
07/04/18	130	°,	4									
07/04/18 _d	130	2.8	QN QN	0.5000	Q Q	1.2500	ND	0.5000	QN	0.5000	10.3000	10.3000
	, n			II OOOCO	מאו	NC7.1	ND	0.5000	QX	0.5000	9.4900	9.4900

FORMOSA VOC CANISTER ANALYSIS

1st QUARTER 2019
POINT COMFORT - PC SITE
DUPLICATE SAMPLE SCHEDULE

ant unit may 15	diam on t	Salaria City			DUFLICA	DUPLICATE SAMPLE SCHEDULE						
_	DIRECTION	AVG. WIND SPEED (mph)	EII	ETHYLENE	1,3 BU	3 BUTADIENE	1	BENZENE	VINYL	VINYL CHLORIDE	ETHYLENE	ETHYLENE DICHLORIDE
	(Degrees)	or can (mpn)	(ppb)		Actual (ppb)	1/2 Reported LOD	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD
Relative Pe	Relative Percent Difference (RPD)	(RPD)		ND		ND		ND	(add)	(add) QN	(gdd)	(qdd) (981 8
91/90/20	151											
07/08/18,	191	2.8	aN *	0.0500	Q *	0.1250	0.1930	0.1930	QN	0.0500	QN	0.0500
Relative Pe	Relative Percent Difference (RPD)						+	*	*	*	*	*
						T						
07/14/18	138	6.1	Q E	0.0500	Q.	0.1250	ND	0.0500	ND	0.0500	ND ND	0.0500
Relative Pe	Relative Percent Difference (RPD)	0.1 (RPD)	ON	0.5000				0.0500			QN	0.0500
				2		ON CONTRACT		ON ON				ND
07/20/18	163	5.9	ND	0.0500	Q.	0.1250	0.4950	0.4950	S	00500	0.1720	0.1720
07/20/18 _d	163		ND	0.0500	ND	0.1250	0.1070	0.1070	g	0.0500	0.1370	0.1720
Relative Pe	Relative Percent Difference (RPD)	(RPD)		ND		QN	128	128.9037		ND		22.6537
07/26/18	143	3.1	CN	00800	42	0 1050	0000					
07/26/18 _d	143	3.1	Q.	0.1000	2 2	0.250	0.2550	0.2550	2 2	0.0500	0.1000	0.1000
Relative Pe	Relative Percent Difference (RPD)			ND	П	ND	1	-195.4373		ND O'.1000		152 9965
08/01/18	129	1:1	Q.	0.0500	ND	0.1250	0.3900	0.3900	1.2300	1.2300	0.3580	0.3580
08/01/10/a	129	- 1	ļ			0.1250	0.4900		1.1100	1.1100	0.2890	0.2890
Relative PC	Keiative Percent Difference (KPD)	(KPD)		ON ON		QN	-22	22.7273	10	10.2564	21.	21.3292
08/07/18	122	6.2	QV	0.0500	E	0 1250	9	00300	1	00200		
08/07/18 _d	122	6.2	ND	0.0500	QN	0.1250	2 2	0.0500	8	0.0500	2 2	0.0500
Relative Pe	Relative Percent Difference (RPD)	(RPD)		ND		ND		ND		Q.		ON ON
08/15/18	142	3.7	Ę	00500								
08/15/18	142	59	8	0.0500	2 2	0.1250	9	0.0500	9	0.0500	ND	0.0500
Relative Pe	Relative Percent Difference (RPD)	1		ON ON		U.1230		00000			Ì	
										ON ON		QN
08/21/18	155	5.4	ND	0.0500	QN	0.1250	ND ND	0.0500	QN	0.0500	S	0.0500
08/21/18 _d	155	- 1					ND	0.0500	QN	0.0500	Ð	0.0500
Relative Pe	Relative Percent Difference (RPD)	(RPD)		ND		ND		ND		ND		ND
08/25/18	125	1	QX	00500	2	01250	Ę	00300	4	00000		
08/25/18 _d	8 _d 125	5.9	ND	0.0500	Ð	0.1250	QN	0.0500	2 2	0.0500	Q E	0.0500
Relative Pe	rcent Difference ((RPD)		ND	4	ND		ND		Q.		ON
09/06/18	91	×. ×	2 2	0.0500	Q S	0.1250	0.1680	0.1680	0.6980	0.6980	0.6670	0.6670
Relative Per	Relative Percent Difference (RPD)	1		ON ON		ND 0.1230	0.2100	0.2100	0.6580	0.6580	0.6510	0.6510
				-				ΙI			7.1	613
09/12/18	90	4.6	2 2	0.0500	Q !	0.1250	0.1600	0.1600	2.0500	2.0500	3.3800	3.3800
Relative Per	Relative Percent Difference (RPD)			ONCO: N			0.1050	0.1050	1.4900	1.4900	3.8400	- 1
						ON O	41.	41.5094	31.	31.6384	-12	-12.7424
09/18/18	187	1 1	ND	0.0500	ND QN	0.1250	0.1320	0.1320	QN	0.0500	0.1420	0.1420
09/18/18 _d	Se 187 Relative Percent Difference (BPD)	1.3	*	*	*	*	*	*	*	*	*	*
Neighbe Le) anii pilii pilio i	MrD)										
81/92/60	132	2.4	2	0.0500	Q.	0.1250	0.1510	0.1510	0.4270	0.4270	0.8060	0.8060
Relative Per	rcent Difference (1	-		0.000			- 1	0.1460		- 1	0.7770	
		1 1			•	ON O		3.36/0	-0.	-0.2339	3.6	3.6639
10/04/18	111	4.8	QN	0.5000	ND	1.2500	1.0900	1.0900	ND	0.5000	ND	0.0500

FORMOSA VOC CANISTER ANALYSIS 1st QUARTER 2019

1st QUARTER 2019
POINT COMFORT - PC SITE
DUPLICATE SAMPLE SCHEDULE

1		_		Aotrol	10 10 11 11 00	ı			THE CHECKINE	PILITERA	EILLENE DICHLORIDE
No.			(pbb)	(ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (npb)	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD
13 No. No. Colore No. Colore No. Colore	1 1 1 1 1	QN			П	0.1110	0.1110	ND	0.5000	QN	(ppb) 9.4900
1. 1. 1. 1. 1. 1. 1. 1.			QN	2	Q	163	3.0308				П
No.		QN	0.0500	ND	0.1250	0.7510	0.7510	09660	0,000	08000	00000
National Colore National C	- 1 - 1		-			1 1		0.9630	0.9630	0.9330	0.9330
Nat	-		ND.		Q	-16	5.3814				1 1
No. Colore No. Colore No. Colore No. Colore Colo		QN	0.0500	ND	0.1250	0.2080	0.2080	S	00500	4	00000
No.	- 1	ND	0.5000	ND	0.1250	0.2710	0.2710	Q.	0.0500	ON ON	0.0500
4.5 N.D. 0.0500 N.D. 0.1250	ative Percent Difference (RPD)		ND			11	1 1				
1.00 1.00		GN	0.0500	Č	01060	0.000					
1	ı	*	*	*	w.1230	0.3050	0.3050	4.7800	4.7800	0.1290	0.1290
1. 1. 1. 1. 1. 1. 1. 1.	1							ļ	*	*	*
1	-		0000								
Column C		QN *	0.0500	QN *	0.1250	0.2960	0.2960	QN	0.0500	QN	0.0500
67 03310 ND 01290 0,1290 0,1200 0,1200 ND ND <td>1 1</td> <td></td> <td></td> <td></td> <td>,</td> <td>•</td> <td>*</td> <td>*</td> <td>*</td> <td>*</td> <td>*</td>	1 1				,	•	*	*	*	*	*
6.7 0.3340 0.4310 ND 0.1230 0.4000 ND 0.4300 ND 0.6300 ND 0.6300 ND 0.4300 N											
Columbia		0.3310	0.3310	ND	0.1250	0.1010	0.1010	ND	0.0500	QX	0.0500
A	- 1		- [- 1	- 1		11	ND	0.0500	ND	0.0500
A	acive i credit Dinerelice (NFD)	7	4993	-117	3554	.02	5497	I		-]]
4.5		ND	0.0500	ND	0.1250	0.4330	0.4330	0.8340	0.8340	03100	90100
45 **<		*	*	*	*	*	*	*	*	*	0.3180
45 ** *	lative Percent Difference (RPD)										
1		*	*	*	*	*	*	*	,		
04 *	ıı	*	*	*	*	*	*	*	*	* *	* *
044 *	ative Percent Difference (RPD)										•
3.2 ND 0.0500 0.2780 0.1780 0.1770 ND 0.0500 0.3940 0.1770 ND 0.0500 0.3340 <t< td=""><td></td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>3</td></t<>		*	*	*	*	*	*	*	*	*	3
3.2 ND 0.0360 0.2780 0.1770 0.1770 ND 0.0500 0.3340 1.84243 3.2 ND 0.0500 0.0290 0.2170 0.2170 ND 0.0500 0.3340 1.84243 1.9 ND 0.0500 ND 0.1250 0.2170 0.1260 0.1260 0.3340 1.84243 1.9 ND 0.0500 ND 0.1250 0.2100 0.0580 0.1260 0.2340 0.1260 0.1260 0.2680 0.6510 1.84243 6.7 ND 0.0500 ND 0.1250 0.2100 0.0580 0.0580 0.0580 0.0580 0.0580 0.0580 0.0580 0.0580 ND -83.3315 6.7 ND 0.0500 ND 0.1250 0.1760 0.1560 ND 0.0500 ND -83.3315 5.9 * * * * * * * * * -83.3315 6.7 ND <	- 1	*	*	*	*	*	*	*	*	* *	* *
3.2 ND 0.0500 0.2780 0.170 0.170 0.170 ND 0.0500 0.340 1.543 1.9 ND 0.0500 0.2340 0.2170 0.2170 ND 0.0500 0.3340 0.340 0.2170 0.0170 ND 0.0500 0.3340 0.3240 0.2170 0.0150 0.0500 0.0340 0.0340 0.0150	itive Percent Difference (RPD)										
3.2 ND 0.0500 0.2200 0.2170 ND 0.0500 0.0340 0.1770 ND 0.0500 0.0340 0.2170 ND 0.0500 0.0340 0.2170 ND 0.0500 0.0340 0.04500 0.04500 0.04500 ND 0.04500 ND 0.04500 ND 0.04500 0.04500 ND ND 0.04500 ND ND 0.04500 ND	-	CN	00500	0.3790	00200	SEE: O		i			
1.9 ND 0.0560 ND 0.1250 0.2340 0.2340 0.1360 0.1	1	QN	0.0500	0.2940	0.2940	0.2170	0.170	Q Z	0.0500	0.3070	0.3070
1.9 ND 0.0500 ND 0.1250 0.2340 0.1260 0.1260 0.2680 0.2680 0.2680 0.2680 0.2680 0.2680 0.2680 0.2680 0.2680 0.2680 0.6580 0.6580 0.6580 0.6510 8.3.3515 6.7 ND 0.0500 ND 0.1250 0.1550 0.1550 ND 0.0500 ND ND 0.6510 ND ND 0.6500 ND	tive Percent Difference (RPD)			1 1	1 1		1 1		1	1	ŀ
1.9 ND 0.03500 ND 0.1250 0.2340 0.1360 0.1260 0.2680 0.6580 6.7 ND 0.0500 ND 0.1350 0.2100 0.6580 0.6510 0.6510 6.7 ND 0.0500 ND 0.1250 0.1550 0.1550 ND 0.0500 ND 5.9 ND 0.0500 ND 0.1250 0.1760 ND ND ND ND 5.9 ND 0.0500 ND 0.1250 0.2070 0.2070 0.1530 0.1530 ND ND 5.9 ND * * * * * * * * 3.2 0.7080 ND 0.1250 0.2070 0.2070 0.1530 0.1530 0.1530 0.1530 0.8980 3.2 * * * * * * * * 3.2 * * * * * * <td< td=""><td>-</td><td>S</td><td>0050 0</td><td>ğ</td><td>0501.0</td><td>0.00</td><td></td><td></td><td></td><td>1 1</td><td>1 1</td></td<>	-	S	0050 0	ğ	0501.0	0.00				1 1	1 1
6.7 ND 0.1550 0.1550 0.1550 0.1550 0.1550 ND 0.1550 ND 0.1550 ND ND 0.1550 ND	1	QN	0.0500	Q. Q.	0.1250	0.3240	0.3240	0.1260	0.1260	0.2680	0.2680
6.7 ND 0.0500 ND 0.1250 0.1550 0.1550 ND 0.0500 ND ND 0.1250 0.1550 ND 0.0500 ND ND ND 0.1250 0.1550 ND ND 0.0500 ND ND ND ND 0.1250 0.1268 ND 0.2070 0.1530 0.1530 0.8980 ND 5.9 * * * * * * * * ND 3.2 0.7080 0.7080 ND 0.1250 0.3200 0.3200 ND * * * * 3.2 0.7080 ND 0.1250 0.3200 0.3200 ND 0.0500 ND ND	ative Percent Difference (RPD)					1				- 1	1
6.7 ND 0.0500 ND 0.1250 0.1550 0.1550 ND 0.0500 ND ND 0.1250 0.1760 ND 0.0500 ND ND ND 0.1250 0.2070 ND ND 0.1250 0.2070 0.2070 0.1530 0.1530 0.8980 ND 5.9 * * * * * * * * 3.2 0.7080 0.7080 ND 0.1250 0.3200 0.3200 ND 0.0500 ND ND 3.2 0.7080 0.7080 ND 0.1250 0.3200 ND 0.0500 ND *						L				.69-	2013
5.9 ND O.0500 ND ND 0.1250 0.1760 0.1760 ND 0.0500 ND 5.9 * * * * * * * * ND 5.9 * * * * * * * * 3.2 0.7080 0.7080 ND 0.1250 0.3200 0.3200 ND 0.0500 ND 3.2 * * * * * * *		Q E	0.0500	QN	0.1250	0.1550	0.1550	ND	0.0500	Q.	0.0500
5.9 ND 0.0500 ND 0.1250 0.2070 0.2070 0.130 0.1530 0.8980 3.9 0.7080 ND 0.1250 0.3200 0.3200 ND 0.0500 ND 3.2 0.7080 ND 0.1250 0.3200 ND 0.0500 ND 3.2 * * * * * *					1	- 1	- 1				
3.9 ND 0.0500 ND 0.1250 0.2070 0.2070 0.1530 0.1530 0.8980 5.9 * * * * * * * * * * 3.2 0.7080 0.7080 ND 0.1250 0.3200 0.3200 ND 0.0500 ND 3.2 * * * * * * *	1 1		Н		11	1 1	0000				D
3.2 0.7080 0.7080 ND 0.1250 0.3200 ND 0.0500 ND 0.0500 ND 0.3200 N		QN *	0.0500	ND	0.1250	0.2070	0.2070	0.1530	0.1530	0.8980	0.8980
3.2 0.7080 0.7080 ND 0.1250 0.3200 ND 0.0500 ND 3.2 * * * * * * * * * * * * * * * * * * *	1	-	*	*	*	*	*	*	*	*	*
3.2 0.7080 0.7080 ND 0.1250 0.3200 ND 0.0500 ND 0.0500 ND 3.2 * * * * *	1 1										
3.2 * * * * * * * * * * * * * * * * * * *		0.7080	0.7080	QN	0.1250	0.3200	0.3200	ND	0.0500	ND	0.0500
		*	*	*	*	*	*	*	*	*	*

FORMOSA VOC CANISTER ANALYSIS

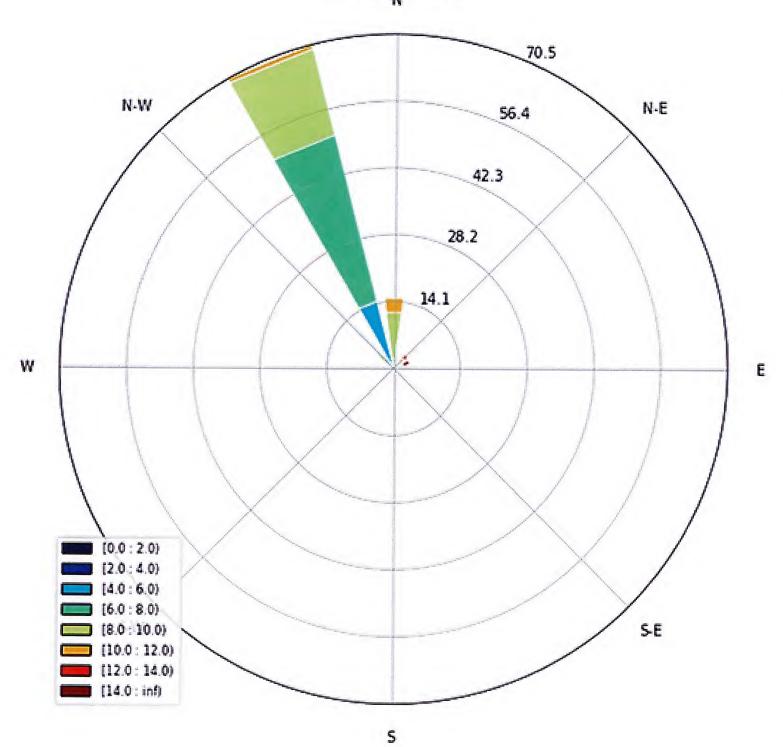
1st QUARTER 2019 POINT COMFORT - PC SITE DUPLICATE SAMPLE SCHEDULE

1	SAMPLE DATE AVG.WIND DIRECTION	VIND AVG.WIND TION SPEED (mph)	Actual	ETHYLENE 17 Percented I OR	/ IIm I	ADIENE	3 II I	BENZENE	VINYL	VINYL CHLORIDE	ETHYI ENE	DICHI OBINE
1 1 1 1 1 1 1 1 1 1		-		(nuh)	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD	Actual	1/2 Reported LOD	L	1/2 Reported I On
1 1 1 1 1 1 1 1 1 1			QN	0.0500	(ndd)	(ppp)	(bpb)	(qdd)	(qdd)	(qdd)		(ppp)
S	01/08/19 _d 153		*	*	*	**	0.1680	0.1680	QN	0.0500	0.1360	0.1360
No. No. 1,000	Relative Percent D	Difference (RPD)		L. 2				•	*	*	*	*
1, 10, 10, 10, 10, 10, 10, 10, 10, 10,	-										-	
No.			QN .	0.5000	ND	0.1250	0.1990	0 1990	0.505.0	0.000		
No.	Relative Percent D						0.1880	0.1880	0.3510	0.2030	1.2000	1.2000
1,				ND	2	Ð	9.6					
National Part National Par			*	*	+						CIT	0677
1,			*	*	e #	*	*	*	*	*	CN.	0.0500
No.	Relative Percent D	1 1	0		1	*	*	*	*	*	*	*
No.	010010									=\/		
No.	01/30/19		2.7300	2.7300	ND	0.1250	S	0.050.0	05050			
1.00 1.00	Relative Percent Di				ND	0.1250	0.2000	0.2000	0.5350	0.5350	2.7300	2.7300
No. No. 0.00500 No. 0.12500 No.		merence (Nr D)	192	8058	Z	D				1		
1	02/07/19 13		QN	0.0500	9	03010	0 000				177	0770
Column C	02/07/19 _d 13		QN.	0.0500	0.1760	0.1230	0.4920	0.4920	0.1640	0.1640	ND	0.0500
Column C	Relative Percent Di	ifference (RPD)		П			100					
Column C	-	-	0.300	00000						2227		D
46	02/09/19 _d 353		0.1040	0.2530	Q E	0.1250	ND	0.0500	ND	0.0500	QN	0.0500
Auto-	Relative Percent Di	11 1	1						ND	0.0500	Q.	0.0500
4.6	on on on				2		Z	0	Z	D		
1	2713/19		*	*	*	*	*	*	×	9		
1.00 1.00	Relative Percent Dif	- X.	*	*	*	*	*	*	*	+ *	* *	* *
60 20<								100				
Column C	354	0.9	*	*	*	×	*	*	ė			
78 3,1100 3,1100 ND 0,1250 ND 0,0500 0,6300 0,6300 0,6300 3,4600 3,4600 72 ND 0,0500 ND 0,1250 0,2360 0,3800 ND 0,5800 ND ND 0,5800 ND ND 0,5800 ND ND ND ND 0,1250 0,1710 ND 0,5800 ND ND ND ND ND 0,5800 ND ND </td <td>Palative Dercent Die</td> <td>6.0</td> <td>*</td> <td>*</td> <td>*</td> <td>*</td> <td>*</td> <td>*</td> <td>÷ *</td> <td>* *</td> <td>* ></td> <td>*</td>	Palative Dercent Die	6.0	*	*	*	*	*	*	÷ *	* *	* >	*
78 3,1100 3,1100 ND 0,1250 ND 0,0500 0,0500 0,6300 0,6300 3,4600	weighte refuell Di	ilerence (KPD)					100				*	*
1,	2/25/19 49	7.8	3.1100	3.1100	QN	01250	C.	00200				
12 ND	Relative Percent Diff		*	*	*	*	*	***************************************	*	0.6300	3.4600	3.4600
7.2 ND 0.05600 ND 0.1250 0.3260 0.3260 0.3260 0.3260 0.3260 ND 6.4 ND 0.0500 ND 0.1250 0.1710 0.1710 ND 0.0500 ND 6.4 ND 0.0500 ND 0.1250 ND 0.0500 ND 0.0500 0.0500 0.04200 0.0500 0.0500 0.04200 0.0500	Aciditica etcell Di	ileteine (nrD)					100		10		,	*
1.00 1.00			QN	0.0500	QN	0 1250	03360	0,000				
6.4 ND 0.0500 ND 0.1250 ND 0.0500 ND 0.0500 ND 0.0500 ND 0.0500 ND ND <t< td=""><td>340 340</td><td></td><td></td><td></td><td>ND</td><td>0.1250</td><td>0.1710</td><td>0.3260</td><td>0.3800 ND</td><td>0.3800</td><td>QN</td><td>0.0500</td></t<>	340 340				ND	0.1250	0.1710	0.3260	0.3800 ND	0.3800	QN	0.0500
64 ND 0.0500 ND 0.1250 ND 0.0500 ND 0.0500 ND 0.0500 ND ND ND ND 0.1250 ND ND <th< td=""><td>Aciative Percent Dil</td><td>Terence (KPD)</td><td>Z</td><td>D</td><td>N</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	Aciative Percent Dil	Terence (KPD)	Z	D	N							
6.4 ND 0.0500 ND 0.0500 ND 0.0500 ND		6.4	CN	00500	4.4							
ND ND ND ND ND ND ND ND	3/09/19 _d 131		S. S.	0.0500	2 2	0.1250	Q.	0.0500	ND	0.0500	ND	0.0500
ND 0.0500 ND 0.1250 0.2820 0.2870 0.3870 ND ND ND ND ND ND ND N	Relative Percent Diff	Ference (RPD)										
8.0 ND 0.0500 ND 0.1250 0.2870 0.2870 0.3870 ND ND 8.0 ND 0.0500 0.1250 0.2870 0.2870 0.4260 0.4260 ND ND 2.8 16,7000 16,7000 ND 0.0500 0.4200 0.4200 0.6240 1.3500 ND 5.4 * * * * * * * 5.4 * * * * * * * 5.4 * * * * * * *	-	0	4						Z		Z	
28 16.7000 16.7000 ND 0.0500 0.4200 0.4200 0.6240 0.6240 1.3500 5.4 * * * * * * * 5.4 * * * * * * * 5.4 * * * * * * * 5.4 * * * * * * *		8.0	2 2	0.0500	9	0.1250	0.2820	0.2820	0.3870	0.3870	QN.	0.0500
28 16.7000 16.7000 ND 0.0500 0.4200 0.4200 0.6240 0.6240 1.3500 ND 0.5041 ND 0.5050 0.4200 0.4200 0.6240 0.6240 0.6240 0.5240 0.	Relative Percent Diff	1 1									ND	0.0500
2.8	-						C/.1-		-9.59	41	IX	
	 	2,00	16.7000	16.7000	ND	0.0500	0.4200	0.4200	0.6240	0,6240	1 2500	0000
7.4 *	Relative Percent Diff			*	*	*	*	*	*	*	***************************************	1.3500
* * * * * * * * * * * * * * * * * * *					T		100	d	1000		1.10	
* * * * * * * * * * * * * * * * * * * *	90 90	5.4	*	*	*	*	*	*	÷			
ACHION ELECTION DIRECTOR (KFD)	Delating Donout Dies	5.4	*	*	*	*	*	*	· *	* *	* 1	*
	ACIALIVE FEICEIL DILL	erence (KrD)					1/16					*

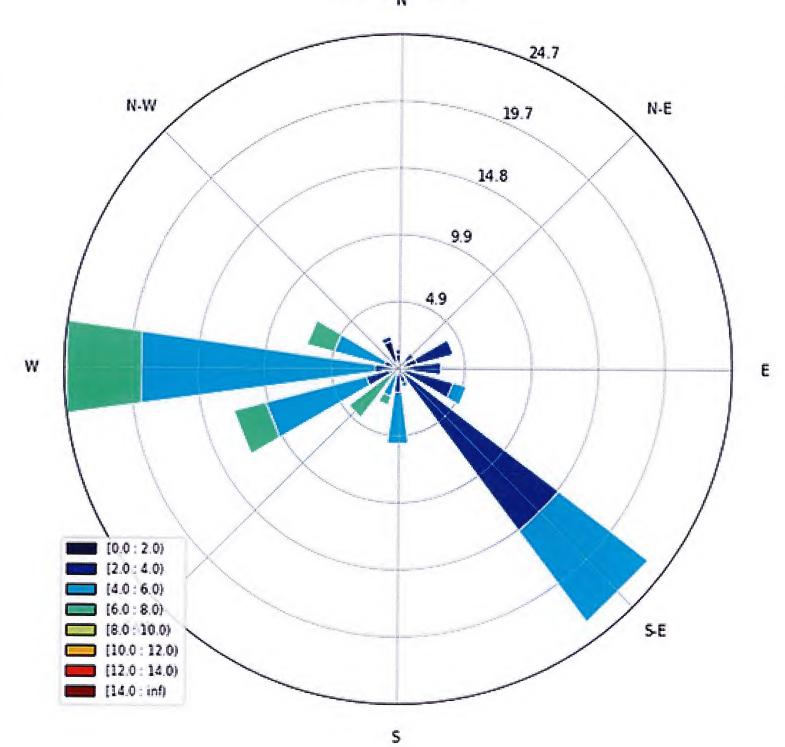
Summary of Non-operational Periods 1st QUARTER 2019 Point Comfort SUMMA Canister System

Corrective Action	Adjusted flow controller to decrease amount compled	There is a contained to decide an induit satisfied.			AECOM fixed issue.	Original lab could not keep up with the amount of SUMMA canisters needed. The lab notified us and stated they would no longer provide services to us. Sample results for the canister they had were delayed which left us without SUMMA canisters until another lab could be arranged.				Original lab could not keep up with the amount of SUMMA canisters needed. The lab notified us and stated they would no longer provide services to us. Sample results for the canister they had were delayed which left us without SUMMA	canisters until another lab could be arranged.		Adjusted flow controller to decrease amount sampled
Description of Problem	Voided sample due to low pressure.	Phase 3 weather.	Analyst voided samples.	Road Blocked.	Sampling system not functioning	No SUMMA cans available.	Analyst voided sample.			No SUMMA cans available.			Voided sample due to low pressure.
Date (s)	1/22/19	2/1/19	2/13/19	2/15/19	2/17-19/2019	2/23/19	3/3/19	3/7/19	3/19/19	3/25/19	3/31/19	3/23-31/2019	3/13/19
SUMMA Site	PC	PC	PC & PC(duplicate)	PC	PC & PC(duplicate)	City Hall, Formosa Training Complex, & Park	PC	City Hall, Formosa Training Complex, & Park	City Hall, Formosa Training Complex, & Park	City Hall, Formosa Training Complex, & Park	City Hall, Formosa Training Complex, & Park	PC & PC(duplicate)	City Hall

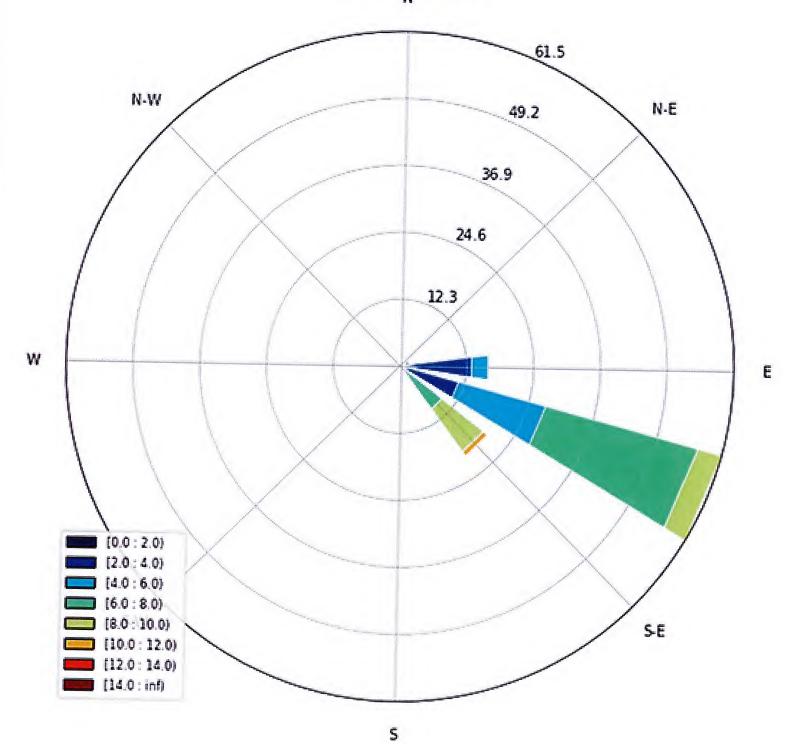
FPC: Jan 2 2019



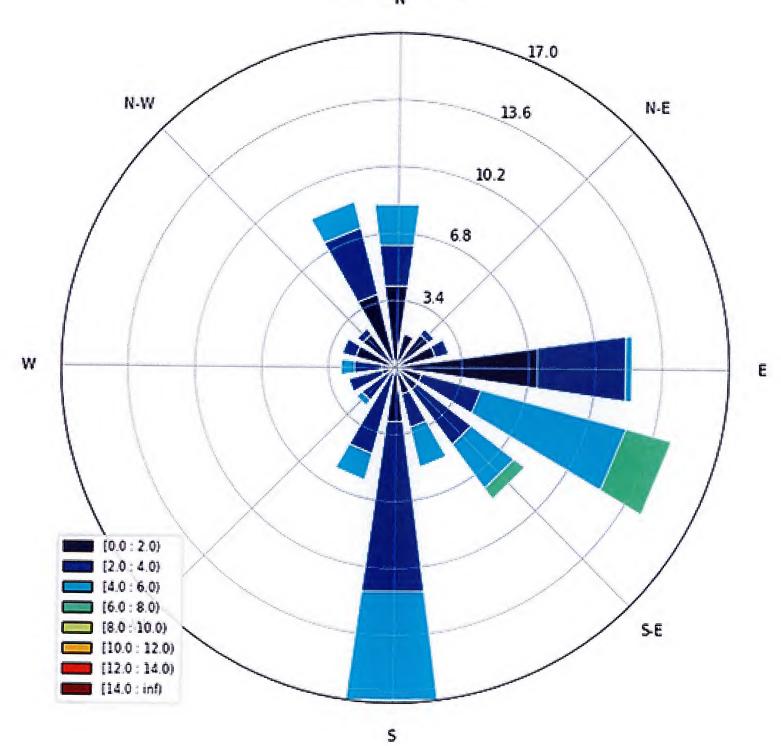
FPC: Jan 4 2019



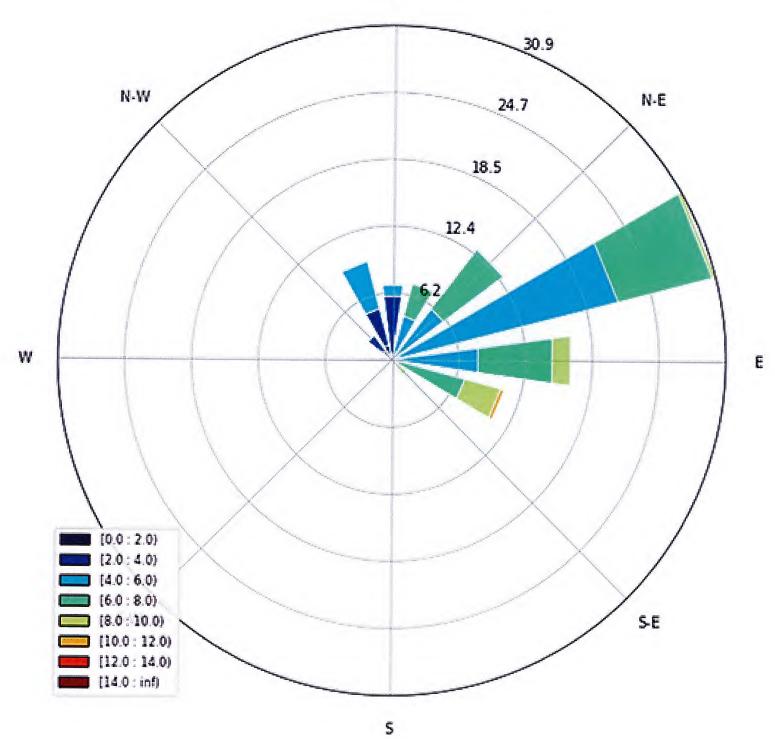
FPC: Jan 6 2019



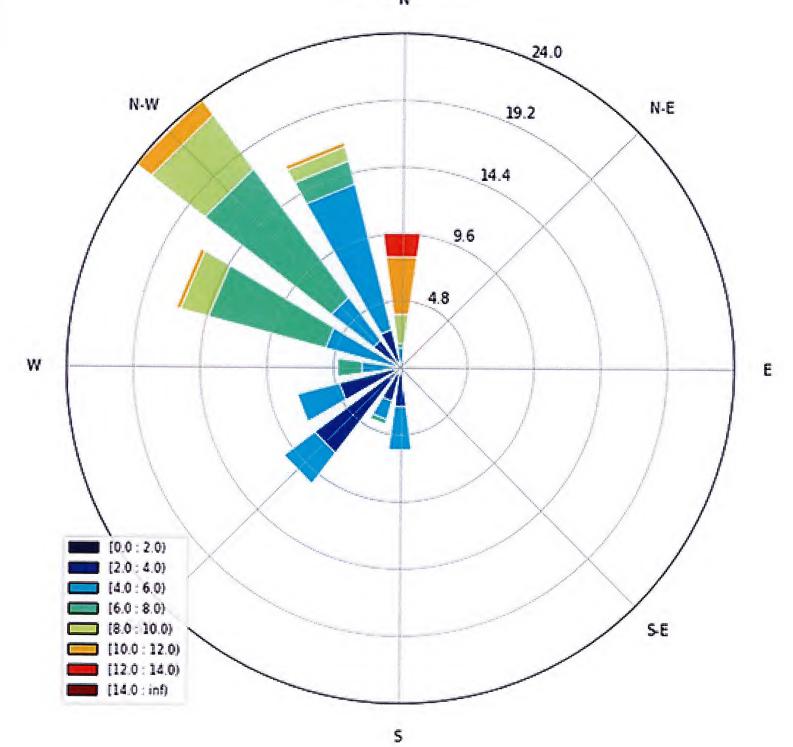
FPC: Jan 8 2019



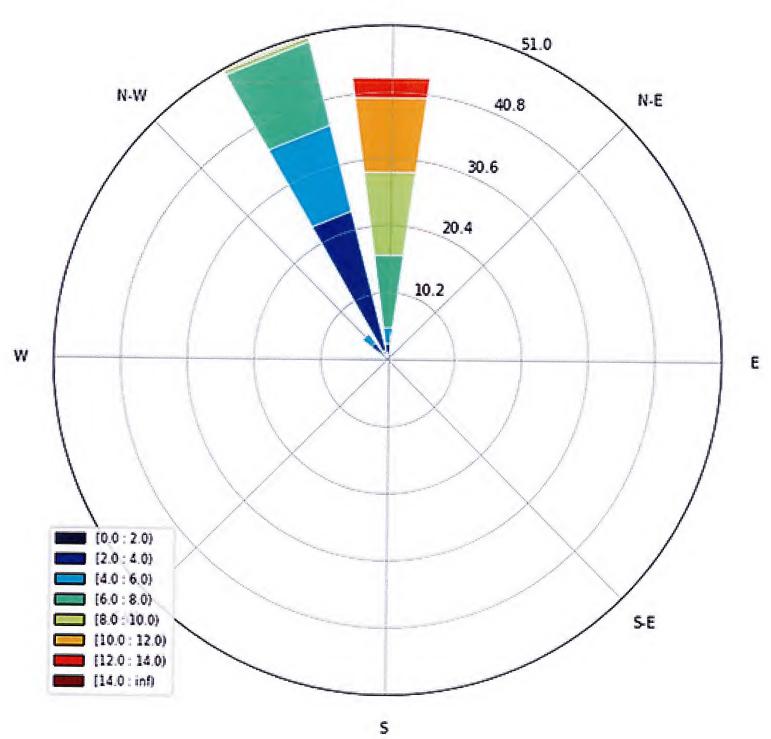
FPC: Jan 10 2019



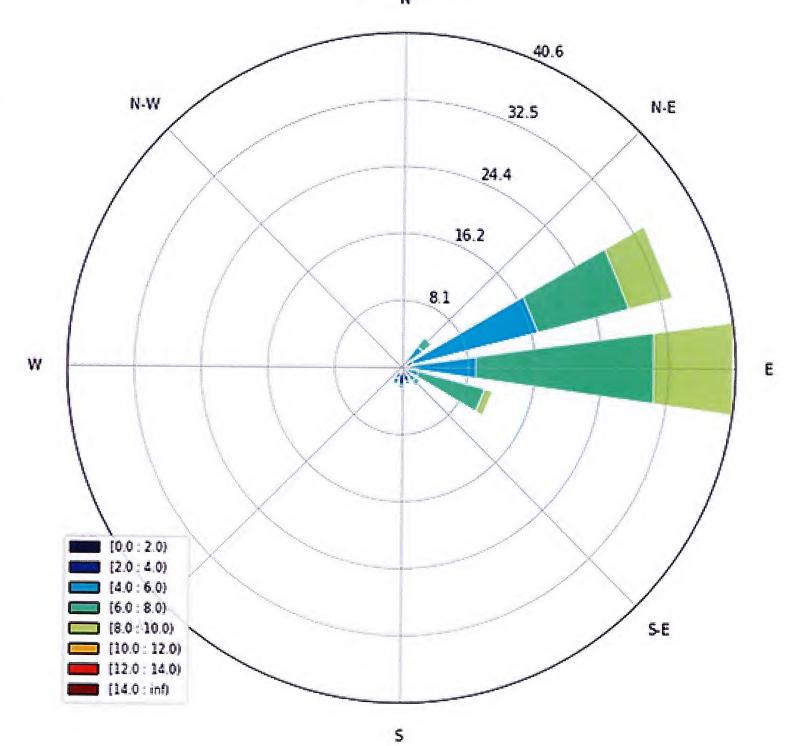
FPC: Jan 12 2019



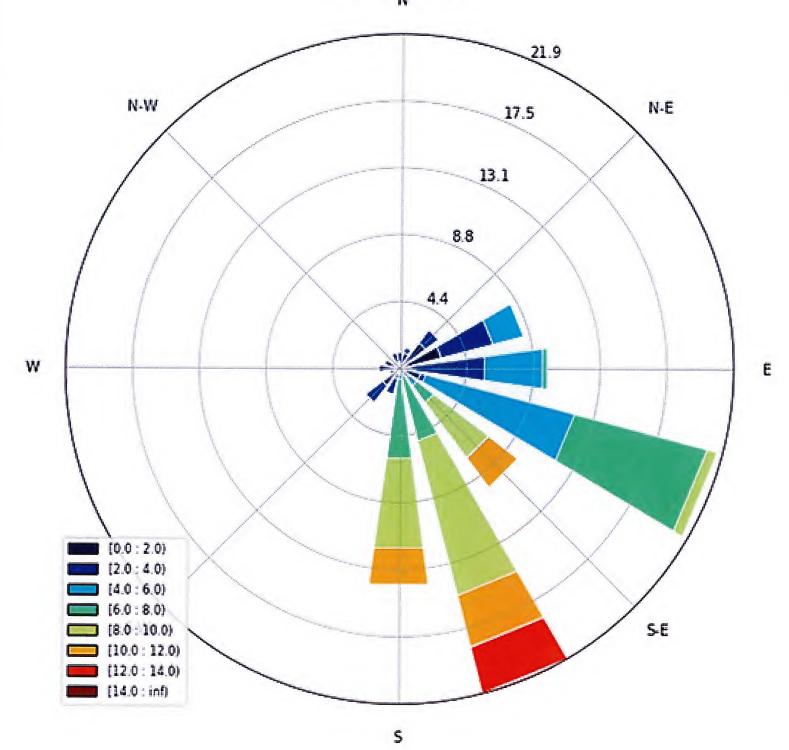
FPC: Jan 14 2019



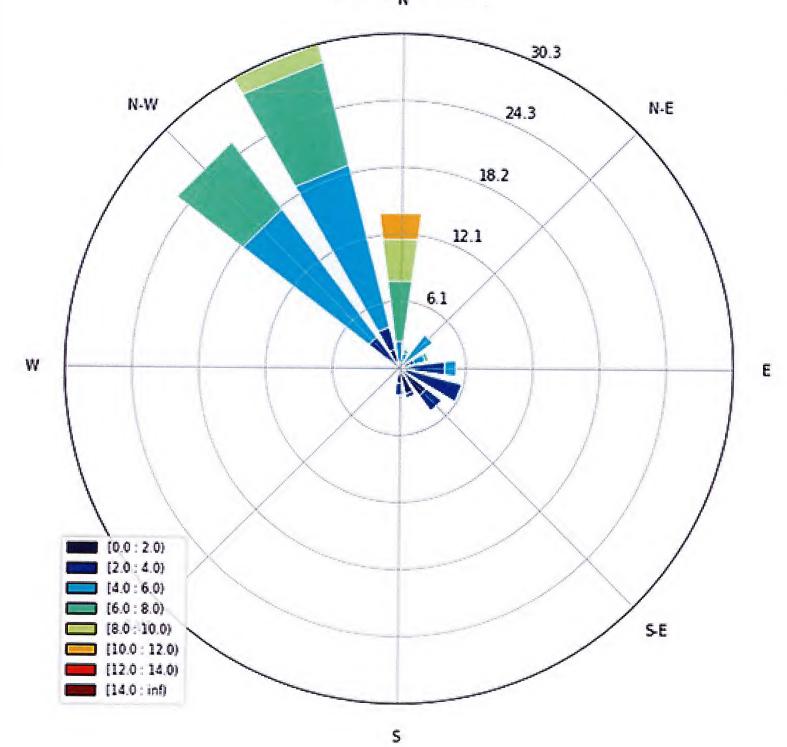
FPC: Jan 16 2019



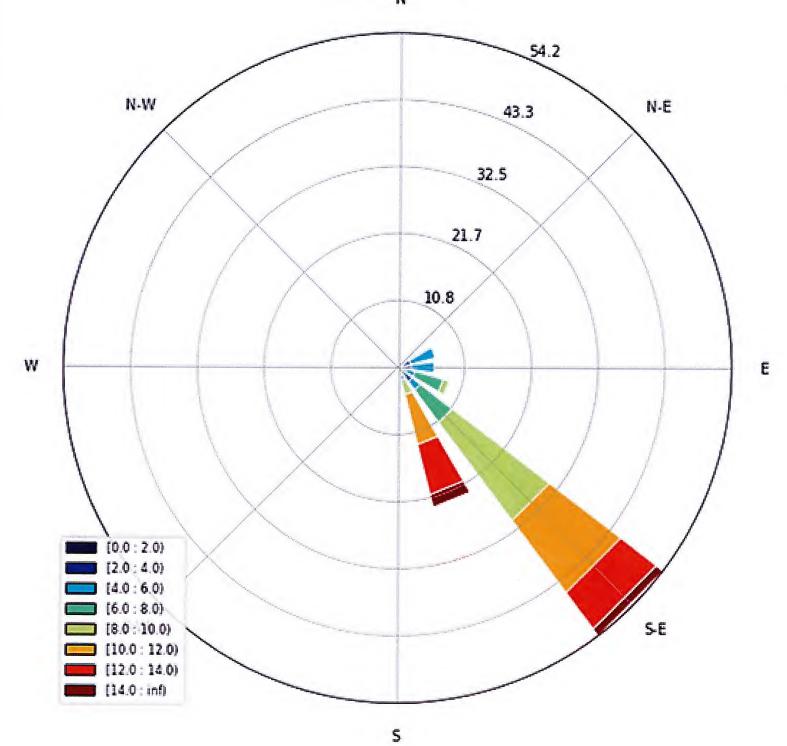
FPC: Jan 18 2019



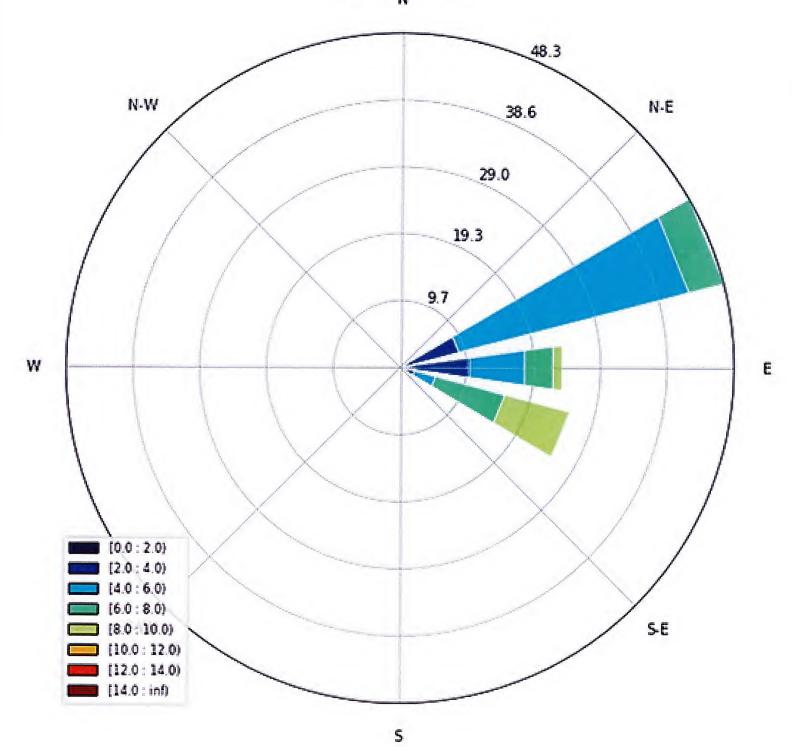
FPC: Jan 20 2019



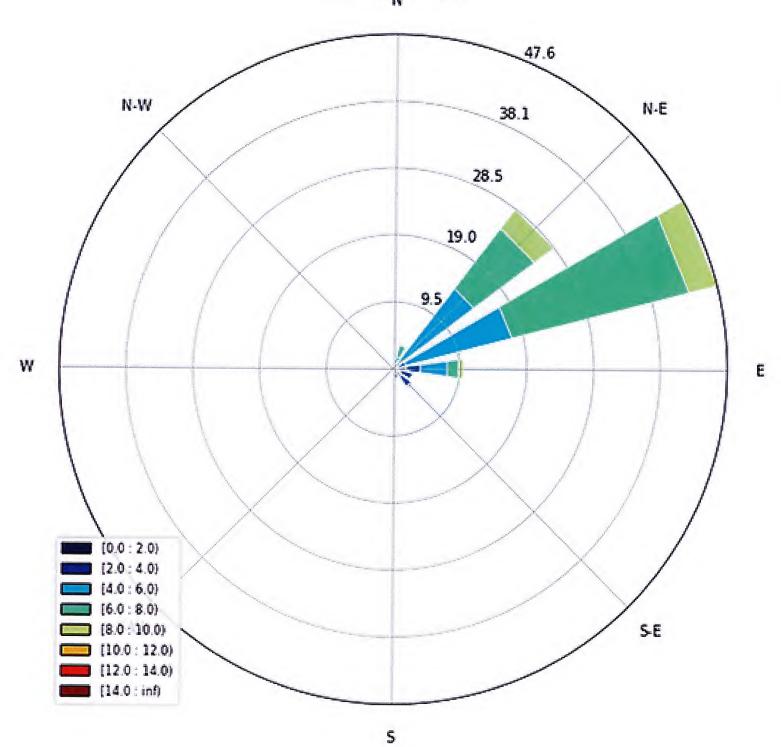
FPC: Jan 22 2019



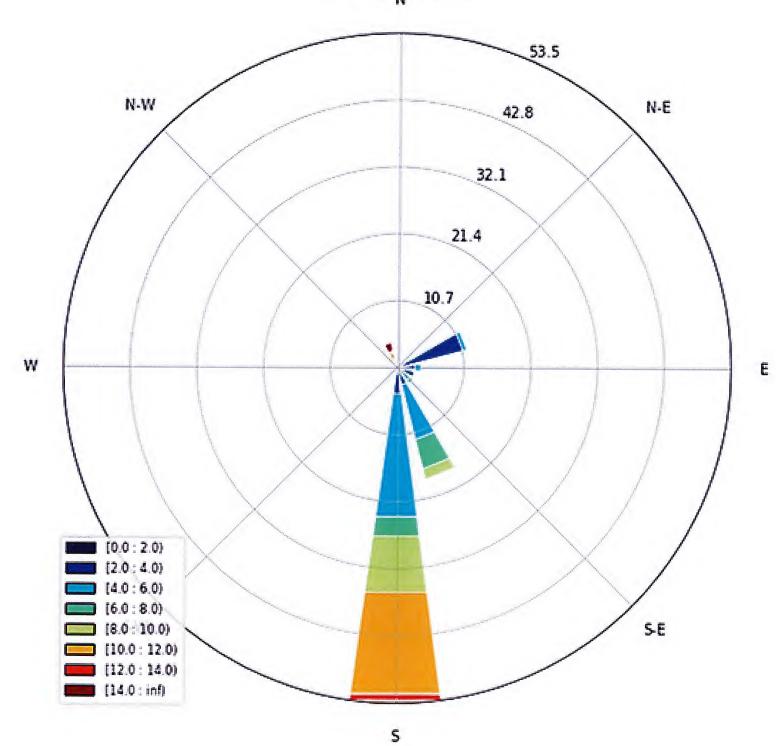
FPC: Jan 24 2019



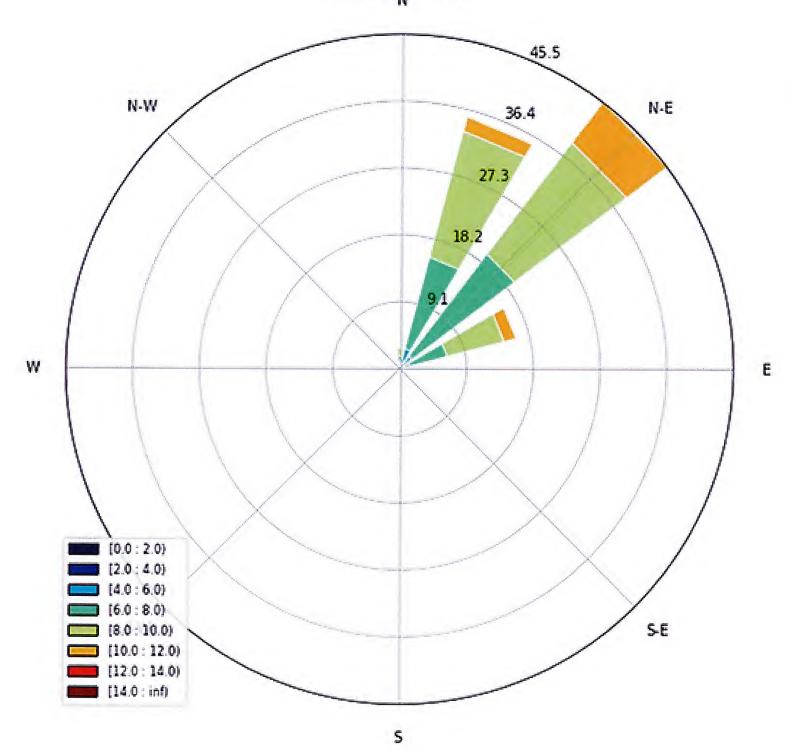
FPC: Jan 26 2019



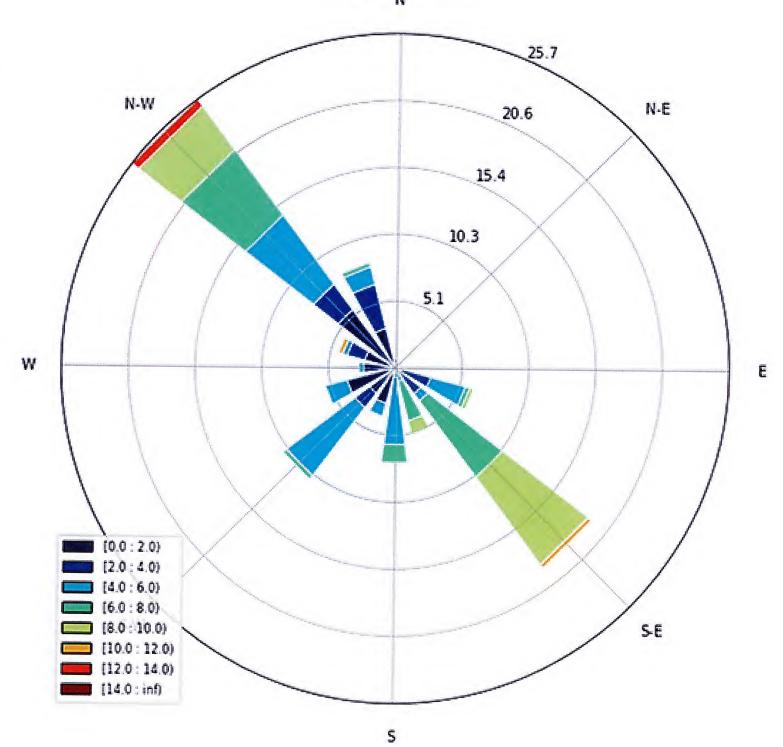
FPC: Jan 28 2019



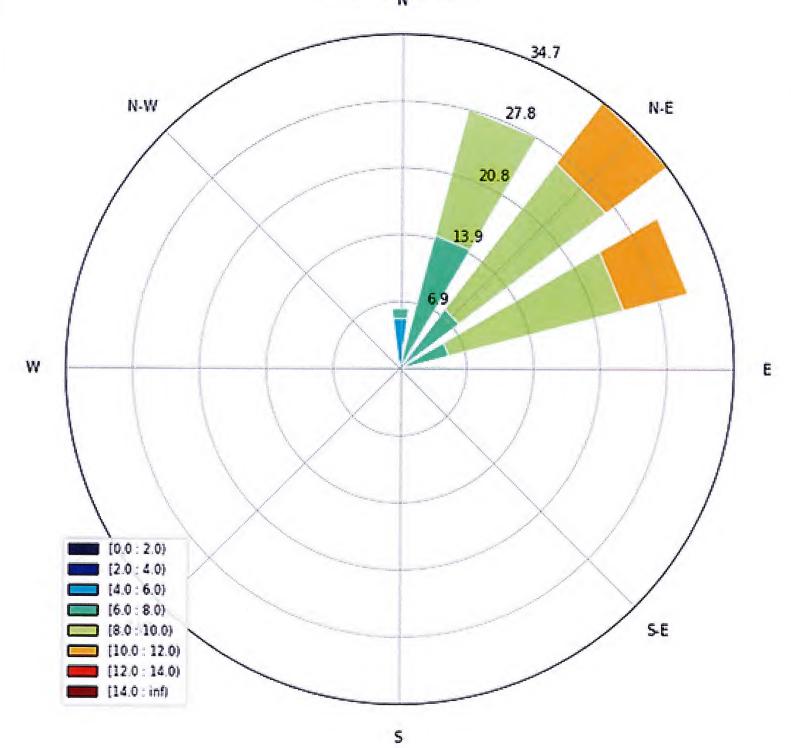
FPC: Jan 30 2019



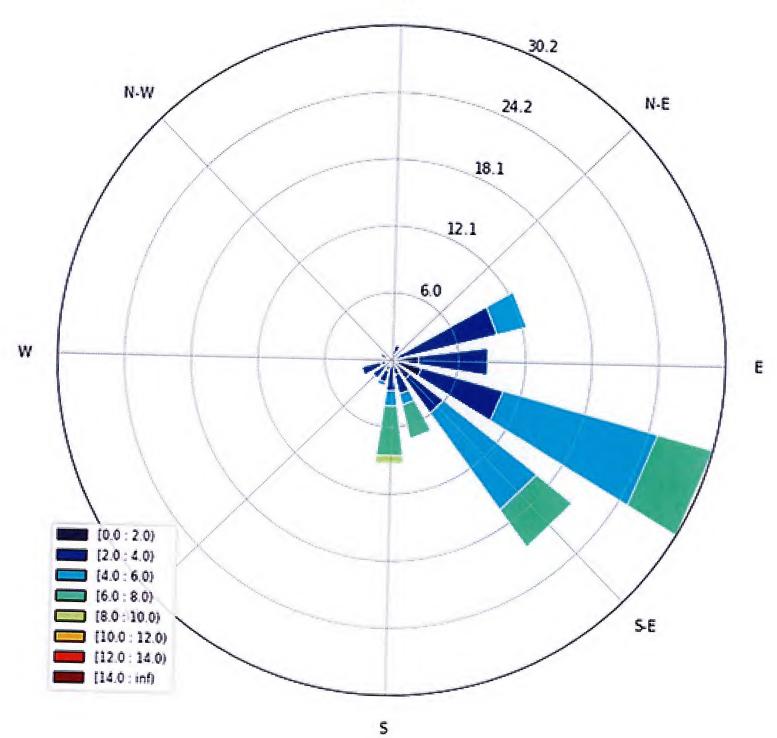
FPC: Feb 23 2019



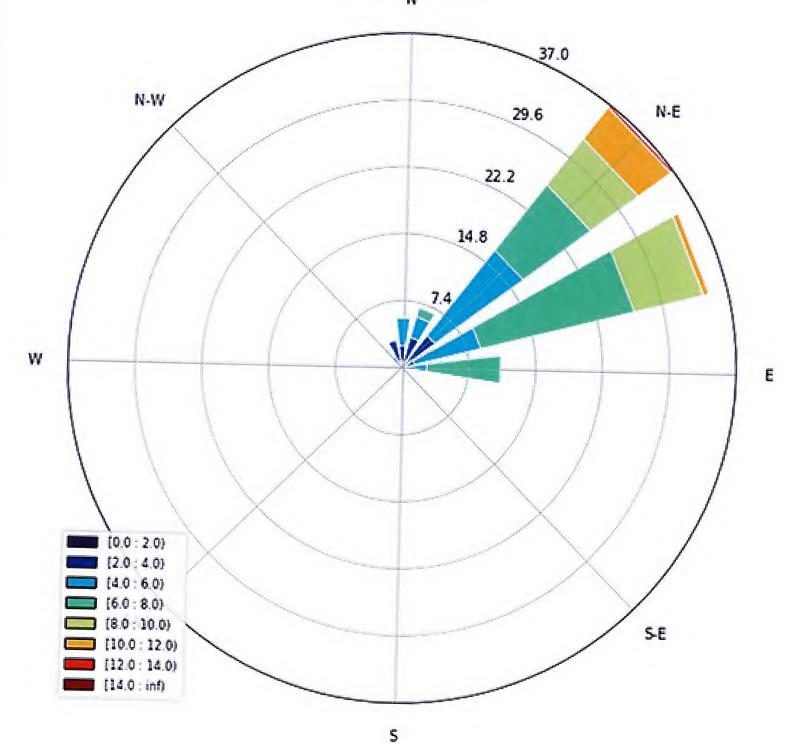
FPC: Feb 25 2019



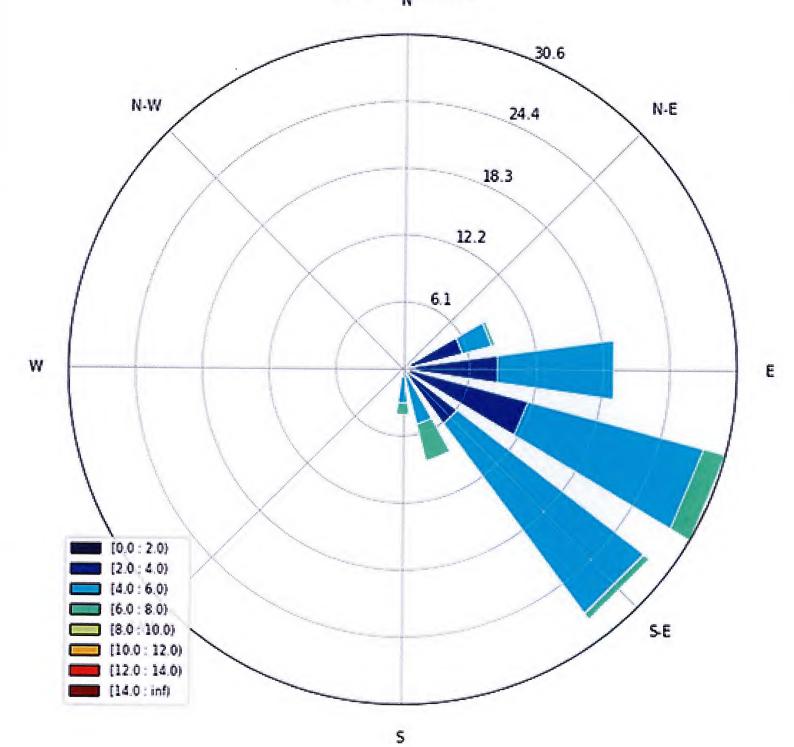
FPC: Feb 27 2019



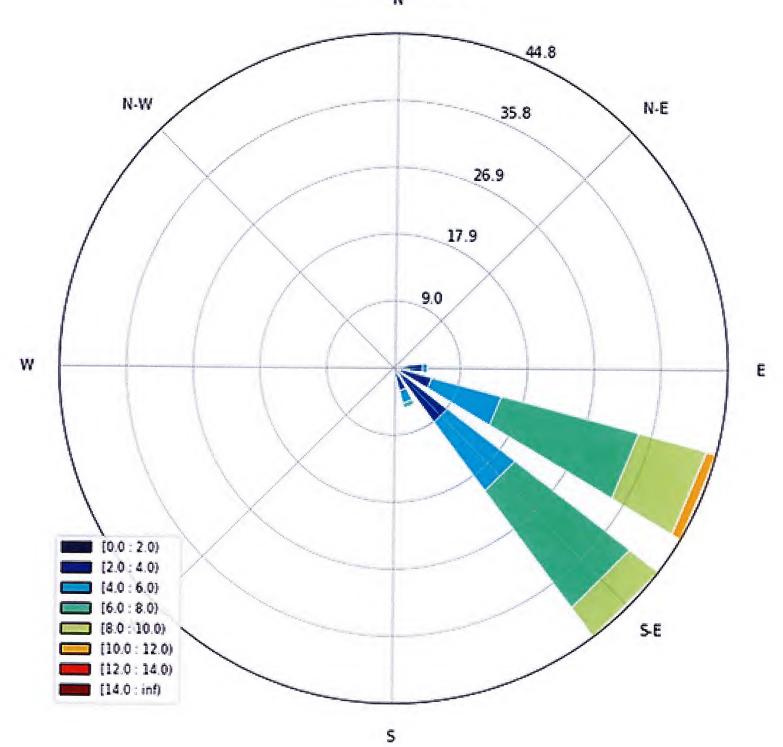
FPC: Feb 1 2019



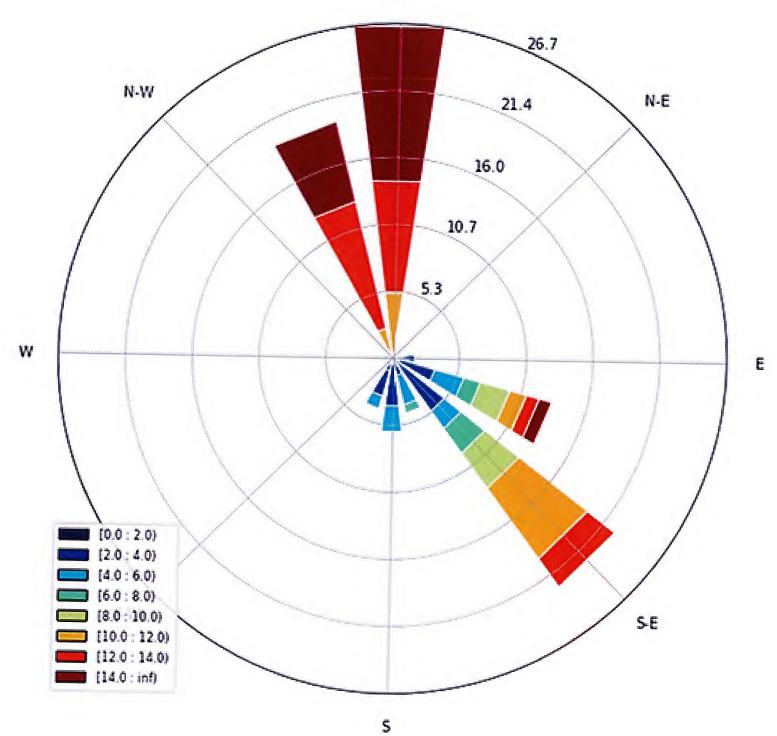
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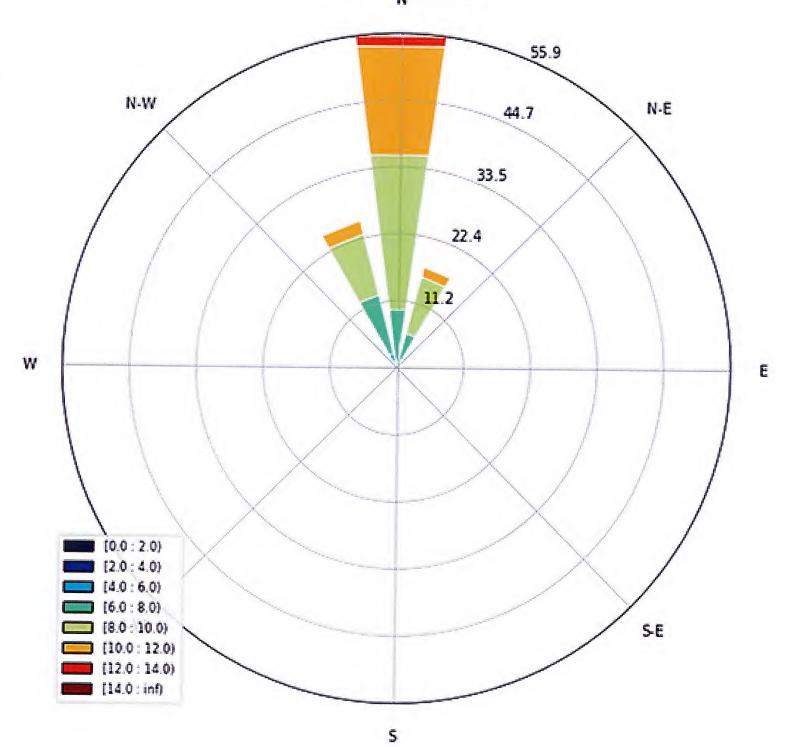
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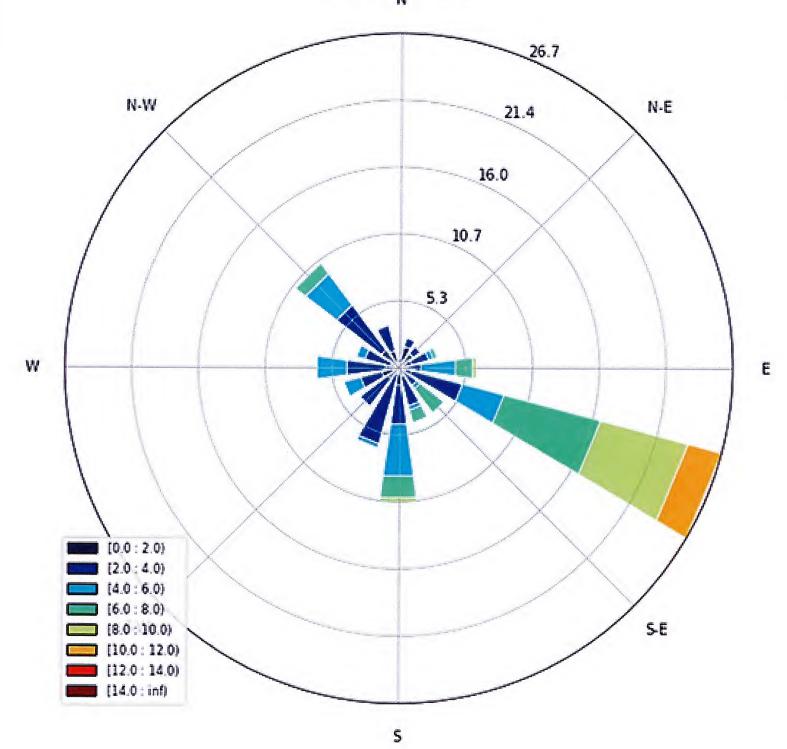
FPC: Feb 7 2019



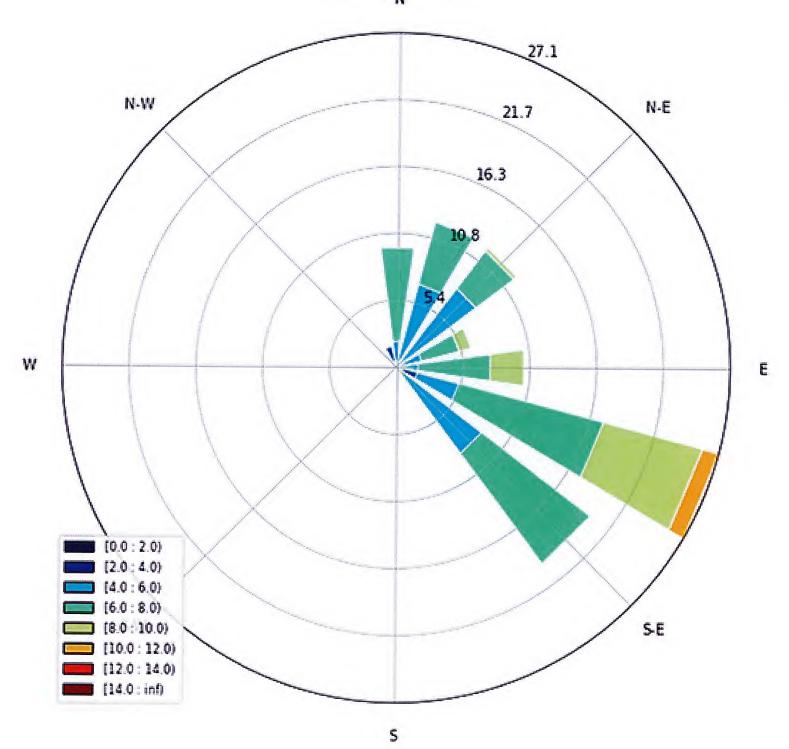
FPC: Feb 9 2019



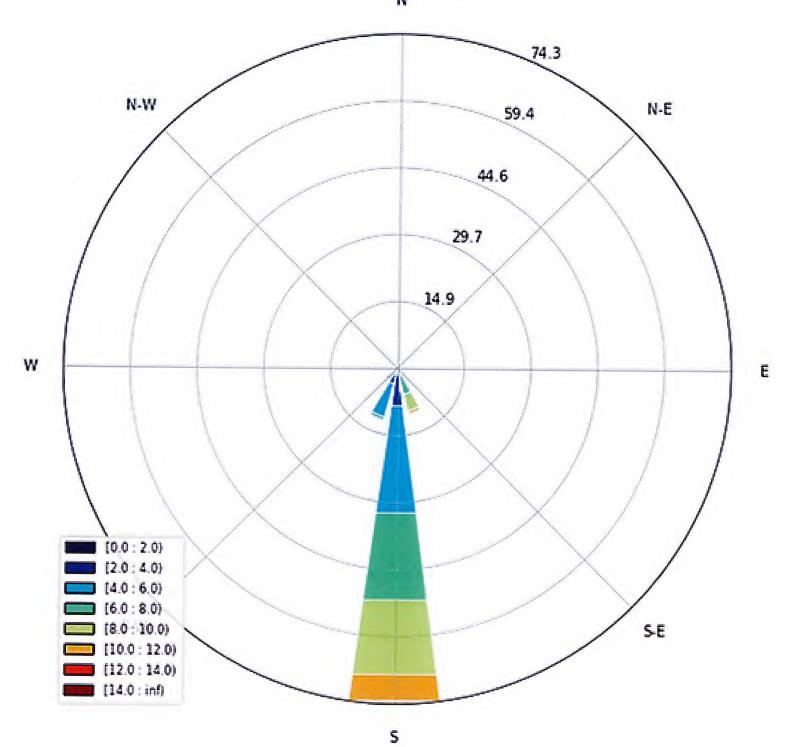
FPC: Feb 11 2019



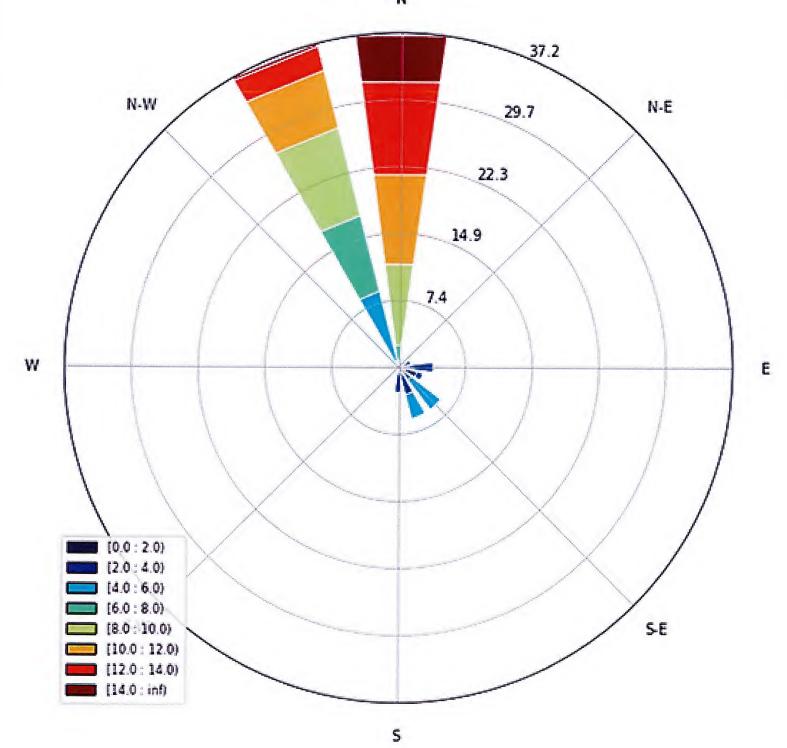
FPC: Feb 13 2019



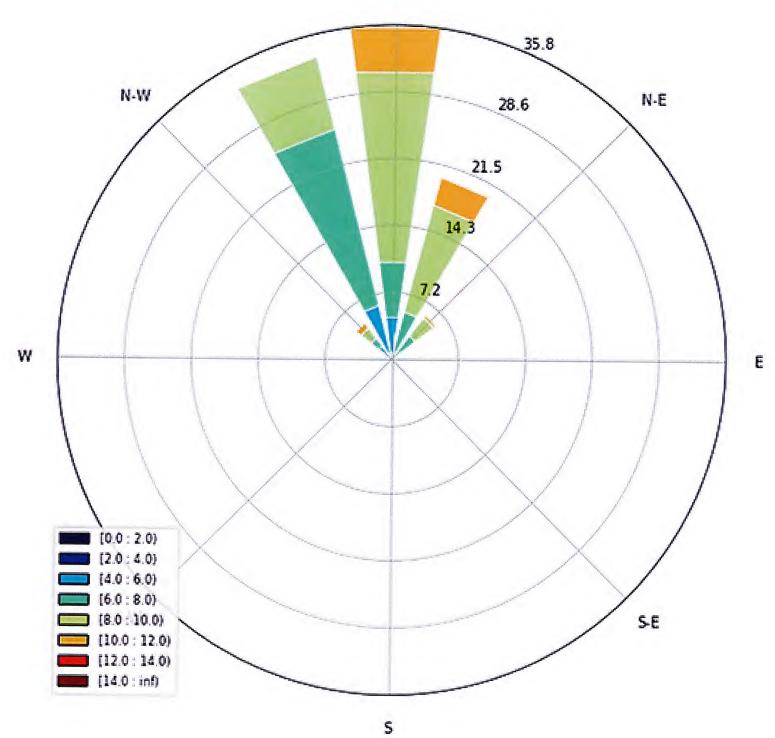
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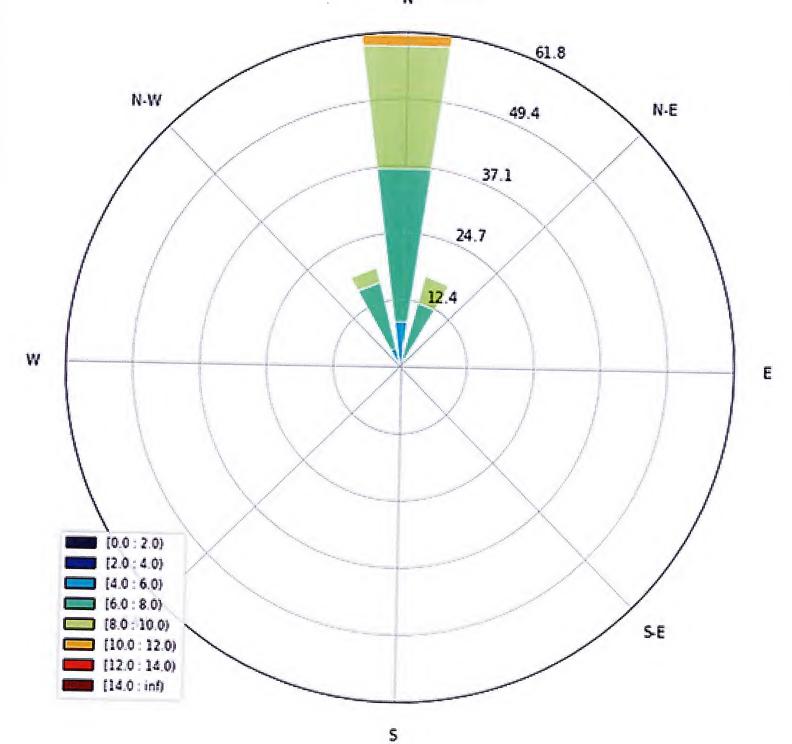
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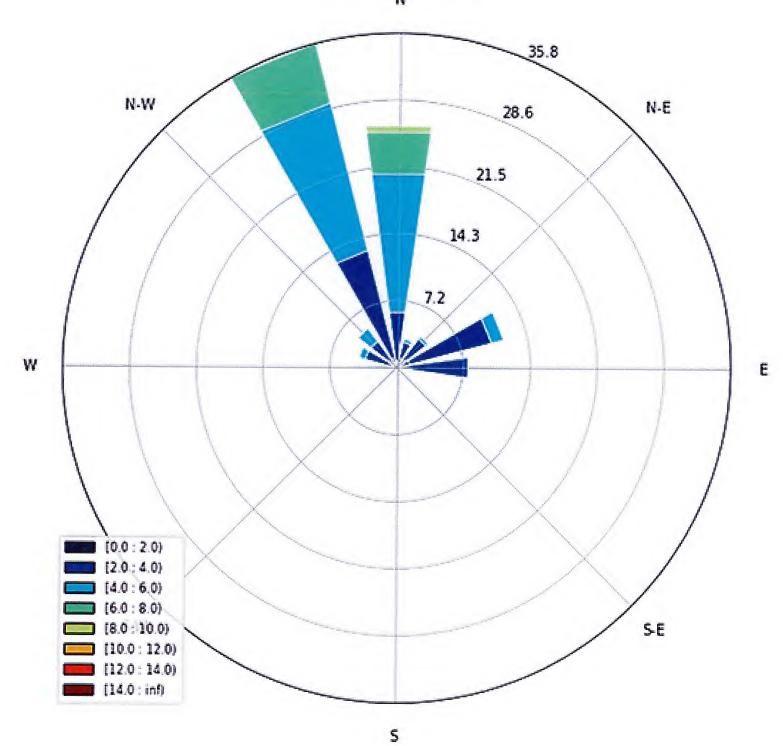
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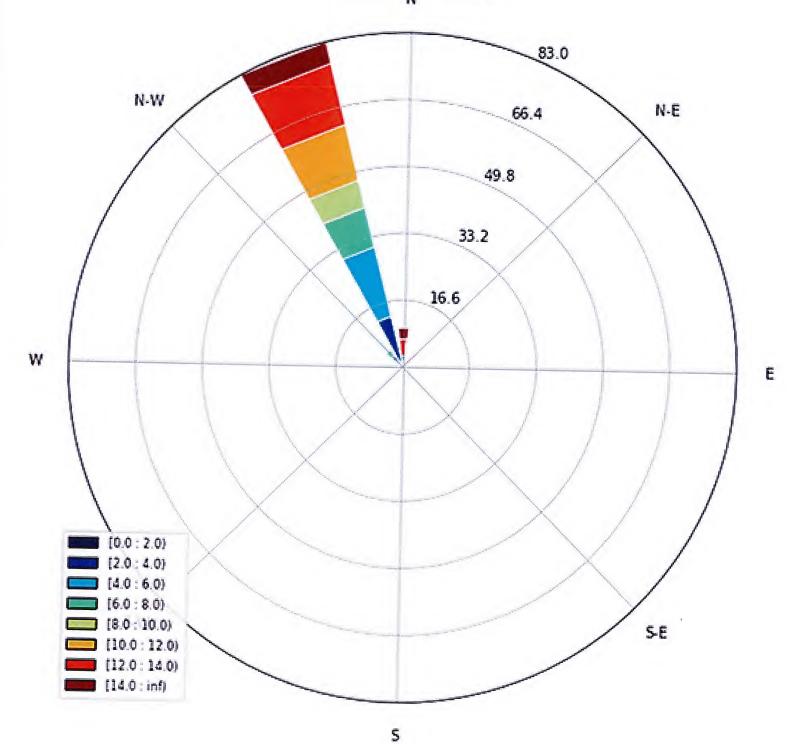
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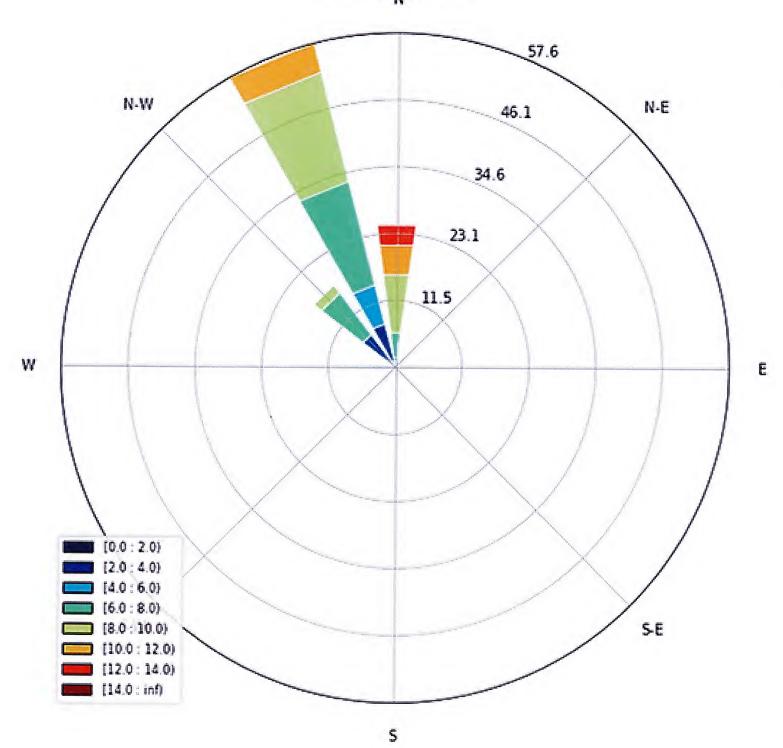
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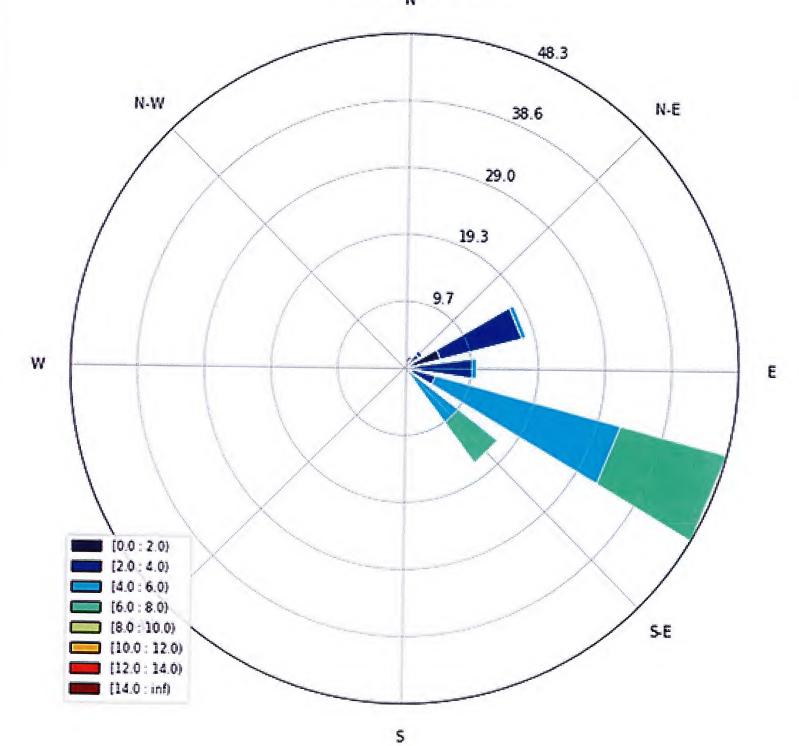
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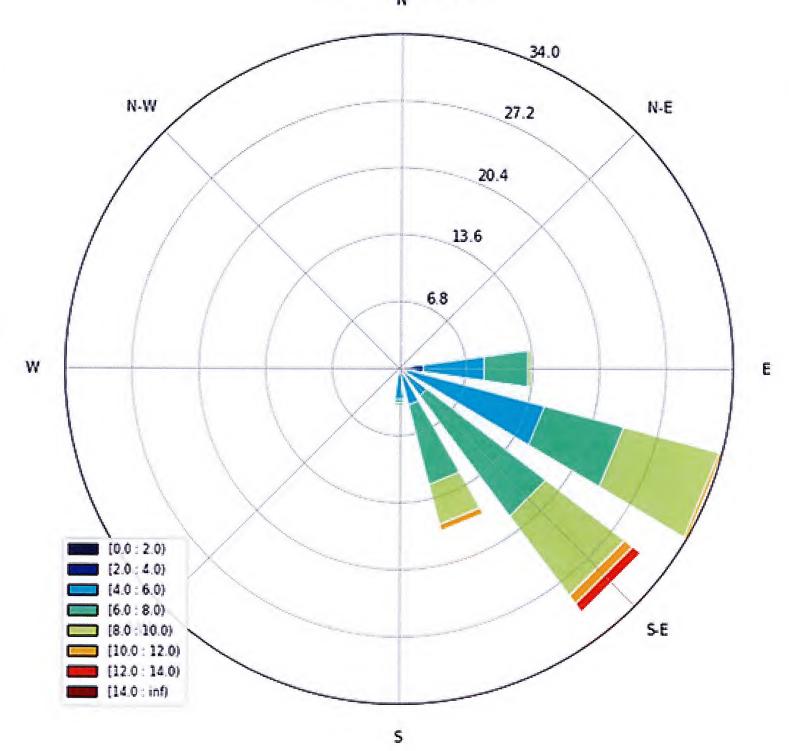
FPC: March 5 2019



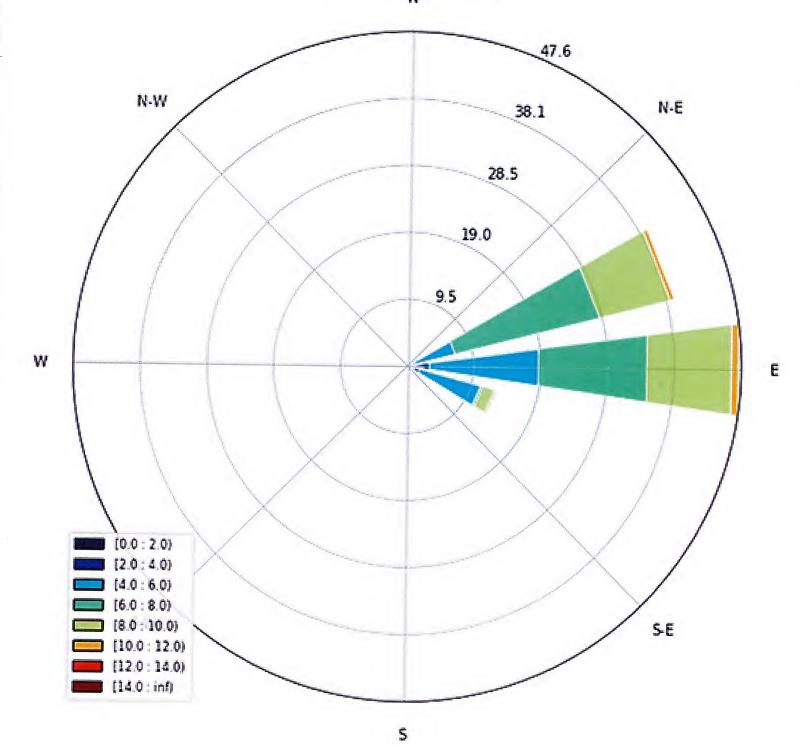
FPC: March 7 2019



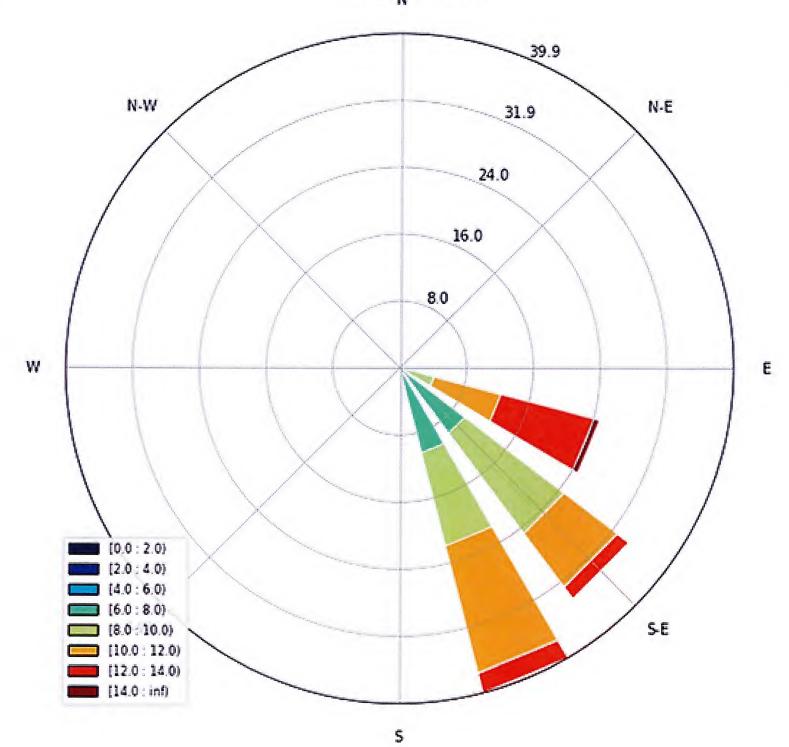
FPC: March 9 2019



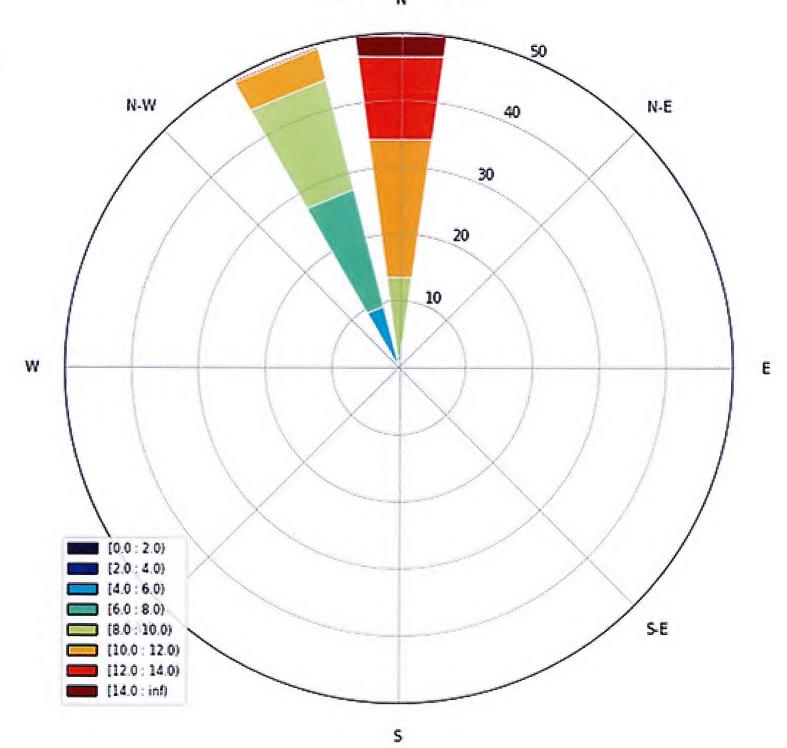
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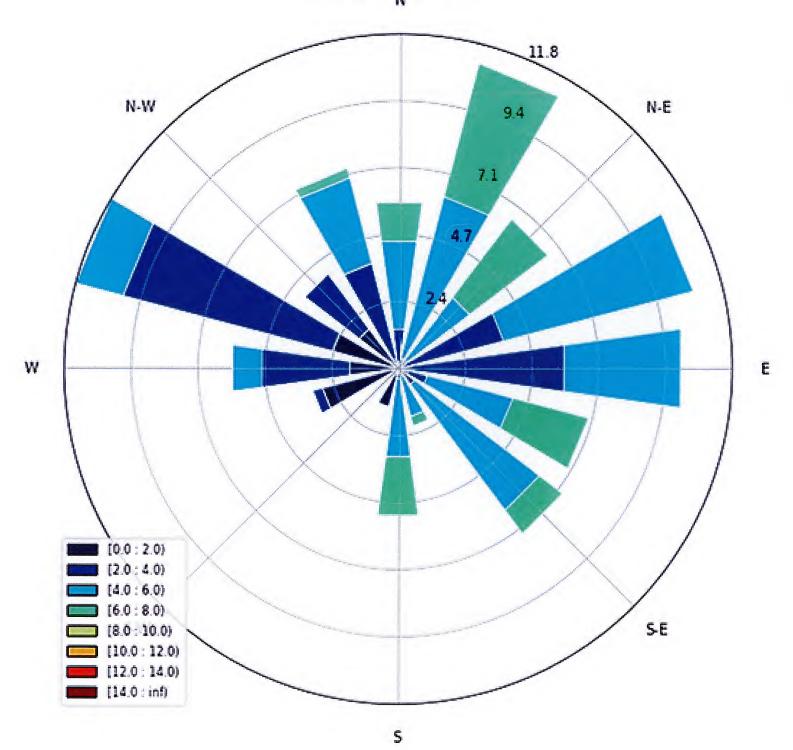
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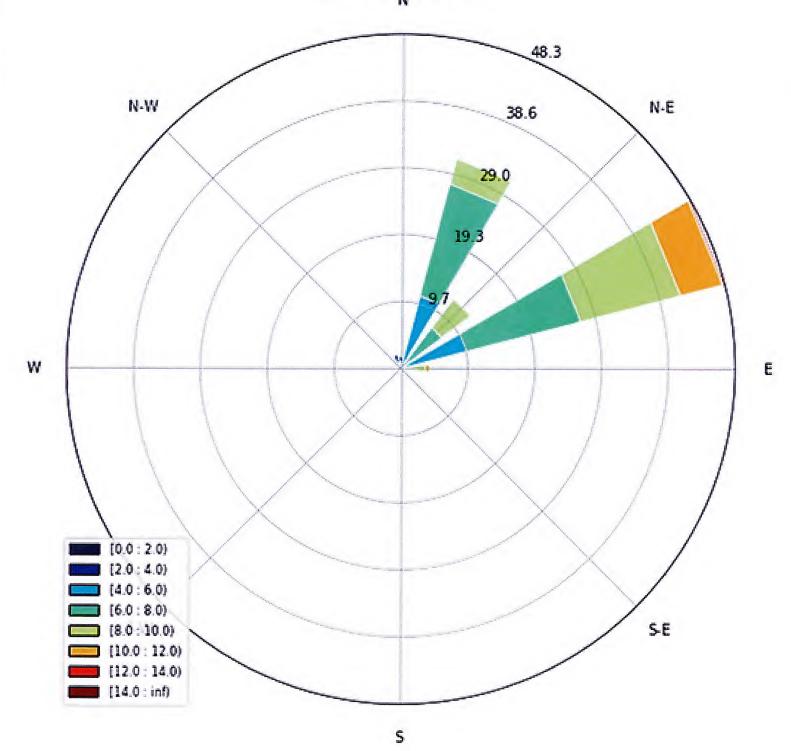
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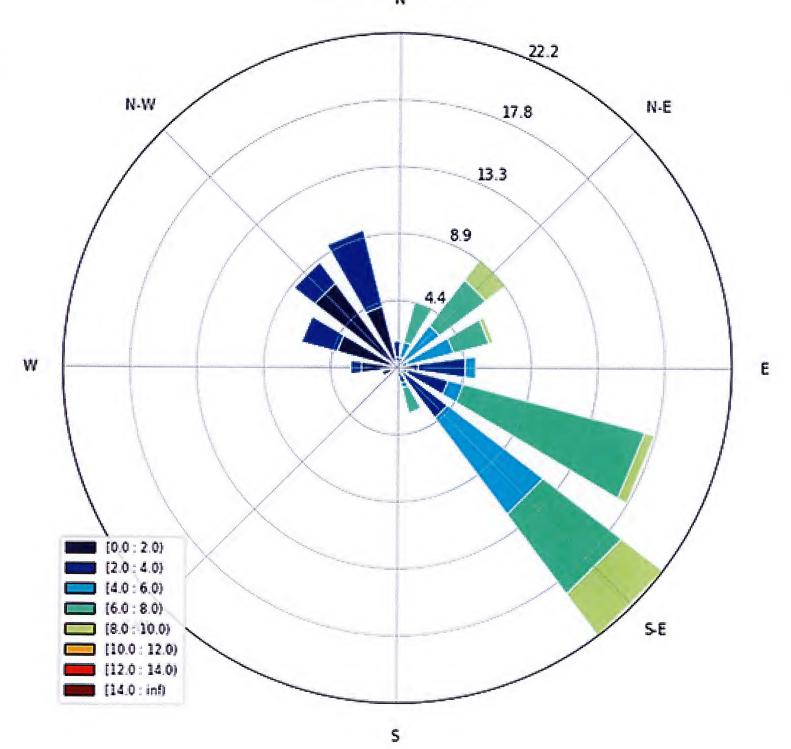
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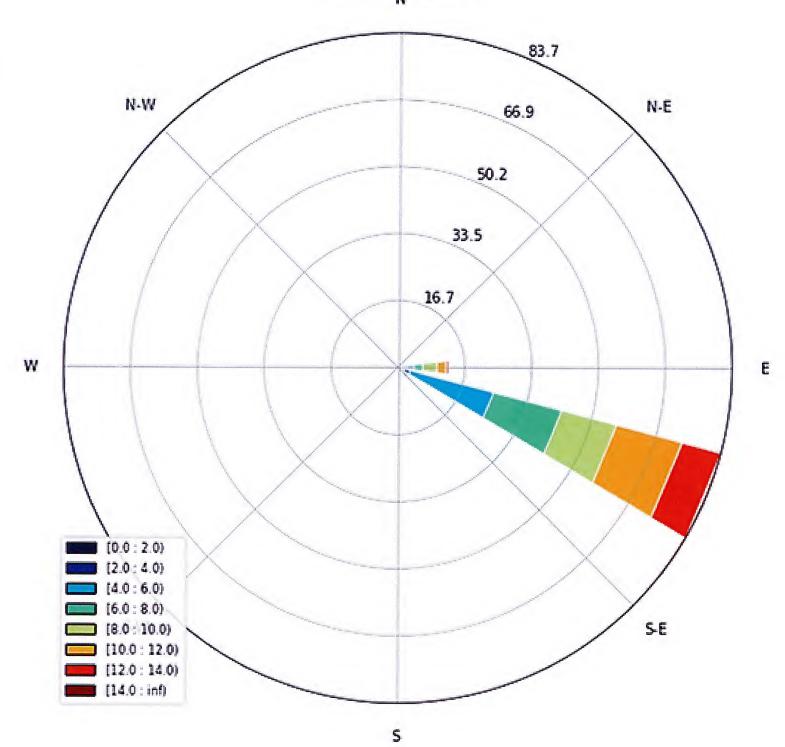
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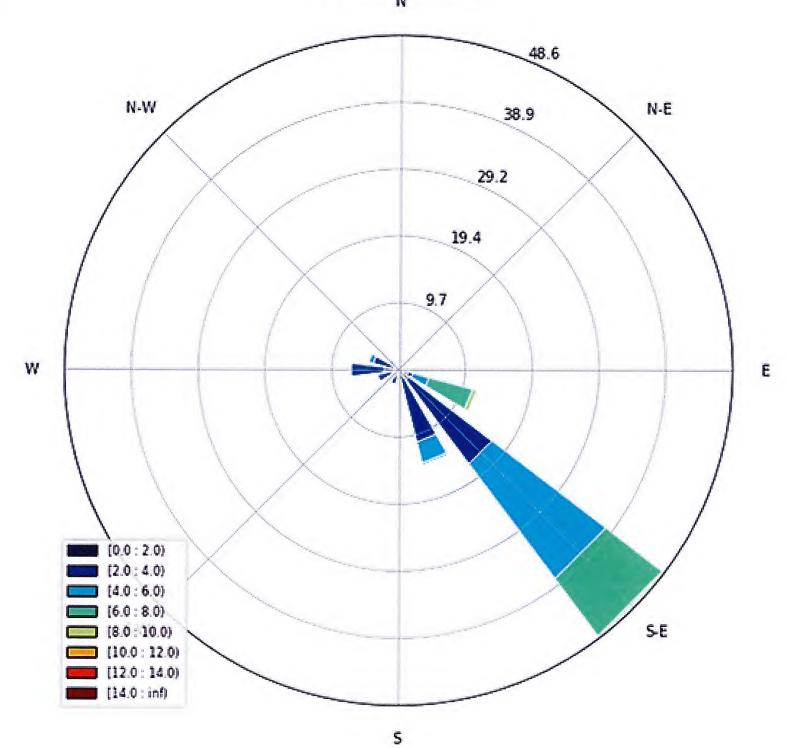
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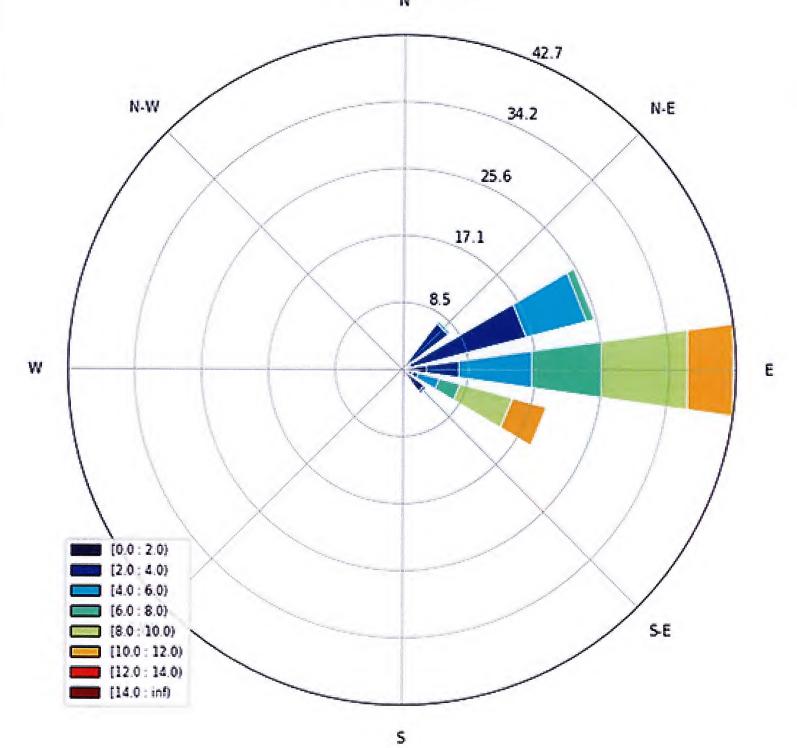
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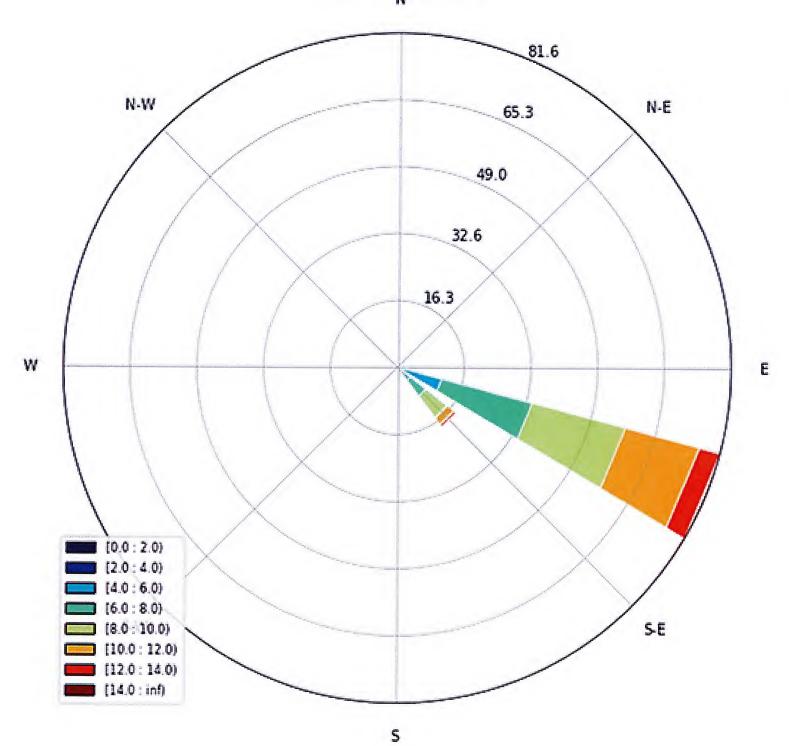
FPC: March 25 2019



FPC: March 27 2019



FPC: March 29 2019



FPC: March 31 2019

